BOSTON®

POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

BOSTON RUBBERS

POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Mfrs. & Exporters: CONVEYER BELTS, BELTINGS, RUBBER SHEETS

info@bostonrubbers.com

+91 9216181222
+91 9815181222

www.bostonruber.com

63 SUNDER VIHAR, WARYANA INDUSTRIAL COMPLEX, LEATHER COMPLEX ROAD, WARYANA, JALANDHAR, PUNJAB 144002, INDIA

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

INDEX

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

ABOUT US

Founded in 1969 by Mr. J.P. Bhandari, Boston Rubbers carries a legacy of excellence in conveyor belt manufacturing. From its early beginnings in transmission belting sales to establishing Bhandari Rubber Mills in 1988, the company has continuously evolved, delivering high-performance conveyor solutions for industries across India.

With over 50 years of expertise, Boston Rubbers is a trusted industry partner, specializing in durable, precision-engineered conveyor belts for sectors like mining, steel, food processing, and logistics. Our commitment to quality, innovation, and customer satisfaction drives us forward, ensuring seamless industrial operations.

We adhere to strict industry certifications, reflecting our dedication to global standards, reliability, and long-lasting performance. Built on integrity, trust, and innovation, our vision is to become India's most trusted conveyor belt manufacturer, powering industries with efficiency and durability

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Bhupinder Bhandari
BOSTON RUBBERS
Mfrs. & Exporters: CONVEYER BELTS, BELTINGS, RUBBER SHEETS

9216181222, 9888127788
bostonrubbers@gmail.com
www.bostonrubbers.com
63 SUNDER VIHAR, WARYANA INDUSTRIAL COMPLEX, LEATHER COMPLEX ROAD, WARYANA, JALANDHAR, PUNJAB 144002, INDIA

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

VISION AND MISSION

- **Vision** – To be a trusted leader in conveyor belt manufacturing, delivering efficient, durable, and innovative solutions.
- **Mission** – Engineer high-quality conveyor belts with precision, rigorous quality control, and a customer-first approach.
- **Values** – Integrity, reliability, and innovation, ensuring global standards and long-lasting performance.
- **Commitment** – Over five decades of excellence, strong partnerships, and continuous innovation in industrial solutions.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

CERTIFICATIONS

Boston Rubbers upholds strict global quality standards to ensure precision, durability, and safety in every conveyor belt.

- **ISO 9001 – Quality Management System**
- **ISO 14001 – Environmental Compliance**
- **ISO 45001 – Workplace Safety Standards**
- **CEMA Certified – Conveyor Equipment Standards**
- **REACH Compliant – Safe Material Use**


Quality Management System
Certificate of Approval
BHANDARI GROUP
(BOSTON RUBBERS)
ISO 9001:2000
Manufacturing and Supply of Conveyor Belts, Transmission Rubber Belts, V-Belts and Rubber Parts.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

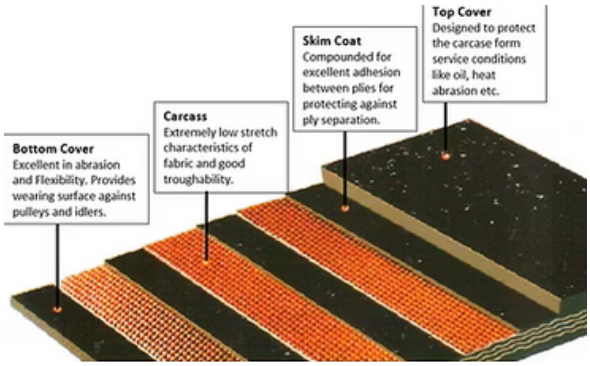
PRODUCTS

1. **Textile-Embedded Conveyor Belts**
Designed for versatile industrial applications, reinforced with fabric layers for strength and durability.
2. **Heat-Resistant & Fire-Resistant Conveyor Belts**
Specialized belts built to withstand extreme temperatures and fire hazards in heavy-duty industries.
3. Food Grade / Hygienic Conveyor Belts
Manufactured with FDA-approved materials, ensuring safety and hygiene in food and pharmaceutical handling.
4. Rough Top Conveyor Belts
Textured belts providing superior grip for transporting packages, cartons, and fragile materials.
5. Chevron Conveyor Belts
Raised cleats enhance traction and prevent material slippage on steep inclines.
6. Diamond Groove Conveyor Belts
Diamond-patterned surface for optimal grip in wet, slippery, and demanding environments.
7. Rubber Sheets
High-quality rubber sheets for sealing, insulation, flooring, and industrial protection applications.
8. Transmission Belts
Power transmission belts designed for efficient energy transfer in machinery and automotive systems.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TEXTILE-EMBEDDED CONVEYOR BELTS (GENERAL PURPOSE CONVEYOR BELTS)

Textile-embedded conveyor belts are designed for versatile material handling, offering high strength, flexibility, and durability. Reinforced with premium fabric layers, these belts ensure superior performance in industrial settings, efficiently transporting bulk materials such as minerals, coal, grains, and manufactured goods across multiple industries.



BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TEXTILE-EMBEDDED CONVEYOR BELTS (GENERAL PURPOSE CONVEYOR BELTS)

Specification	Available Range
Belt Width	Up to 1600 MM
Belt Length	Up to 300 Meters
Joint Type	Open or Endless
Edge Finish	Cut, Moulded, or Locked
Reinforcement Layers	2 to 7 Ply (Polyester/Nylon-EP, Nylon/Nylon-NN, Cotton/Nylon/EE, Steel Breaker Top Layer)
Top Cover Thickness	Customized as per client requirements
Material Grades	M-24, N-17, HRT-1, HRT-2, HRT-3, UHR, SAR, OR, FR
Surface Profile	Rough Top, V Cleat, U Cleats, Y Cleat, H-75 Cleat, Multi V, Pulley Lagging
Compliance Standard	As per IS 1891(P) I-V

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TEXTILE-EMBEDDED CONVEYOR BELTS (GENERAL PURPOSE CONVEYOR BELTS)

Key Features of Textile-Embedded Conveyor Belts

- **High Strength & Flexibility –** Multi-ply reinforcement ensures long-lasting durability.
- **Superior Wear & Tear Resistance –** Designed to withstand heavy-duty applications.
- **Customizable Specifications –** Tailored sizes, materials, and coatings for specific industry needs.

Industries Using Textile-Embedded Conveyor Belts

- **Mining & Quarrying –** Efficient transport of bulk minerals and aggregates.
- **Steel & Cement Industry –** Facilitates movement of raw materials and finished products.
- **Logistics & Warehousing –** Used in distribution centers for seamless operations.
- **Automotive & Manufacturing Plants –** Supports conveyor systems in assembly lines.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

HEAT-RESISTANT & FIRE-RESISTANT CONVEYOR BELTS

Heat-Resistant and Fire-Resistant Conveyor Belts are designed to withstand extreme temperatures while ensuring safety and durability in industrial applications. Heat-resistant belts protect against thermal damage and prevent surface cracking, while fire-resistant belts incorporate flame-retardant materials to minimize fire hazards. These belts are crucial for industries requiring high-temperature endurance and fire prevention.

Types include:

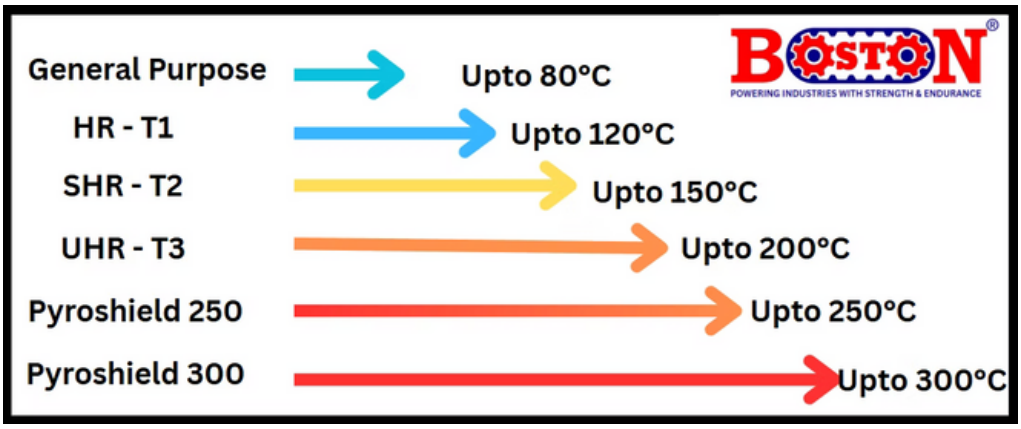
- **Heat-Resistant Conveyor Belts –** Maintain flexibility under heat exposure and resist surface hardening.

- **Fire-Resistant Conveyor Belts –** Flame-retardant, self-extinguishing, and designed for hazardous environments.

HEAT-RESISTANT CONVEYOR BELTS

Heat-resistant conveyor belts are built with reinforced layers and specially formulated rubber compounds to withstand prolonged exposure to high temperatures without losing flexibility

Parameter	Value
Temperature Resistance	Up to 200°C (Continuous) / 250°C (Short-term)
Base Material	EP/Nylon/Nylon, Kevlar, PTFE/EE
Cover Compound	Heat-Resistant Rubber, Silicone
Belt Thickness	6 - 20 MM
Tensile Strength	250 - 1000 N/mm
Elongation	15-50%
Abrasion Resistance	High, prevents cracking & hardening
Belt Types	HRT-1, HRT-2, HRT-3, UHR, SAR, OR



BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

FIRE-RESISTANT CONVEYOR BELTS

Fire-resistant conveyor belts incorporate flame-retardant compounds to prevent fire propagation, ensuring safety in hazardous environments prone to combustion risks. These belts comply with international fire safety standards and are widely used in industries requiring stringent fire prevention measures.

Parameter	Value
Base Material	EP/Nylon/Nylon, Kevlar, PVC, Rubber/EE
Cover Compound	Flame-Retardant Rubber, Anti-static
Belt Thickness	5 - 18 MM
Tensile Strength	200 - 900 N/mm
Surface Conductivity	Anti-static for spark prevention
Smoke Emission	Low-smoke, non-toxic formulation

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

HEAT-RESISTANT & FIRE-RESISTANT CONVEYOR BELTS

Key Features of Heat-Resistant & Fire-Resistant Conveyor Belts

- **High Thermal Resistance –** Maintains structure under high temperatures.
- **Flame-Retardant & Self-Extinguishing –** Minimizes fire risks.
- **Prevents Surface Hardening & Cracking –** Enhanced durability for prolonged use.
- **Anti-Static Properties –** Reduces spark formation for safety.
- **Low-Smoke & Non-Toxic Formulation –** Complies with fire safety standards.

Industries Using Heat-Resistant & Fire-Resistant Conveyor Belts:

- **Underground Mining & Tunneling –** Es**sential for safety in coal mines.**
- **Chemical Plants & Refineries –** Prevents fire risks in volatile environments.
- **Power Plants –** Used for safe coal transportation.
- **Wood & Paper Processing –** Reduces fire hazards in material movement lines.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

FOOD GRADE CONVEYOR BELTS / HYGIENIC BELTS

Food-grade conveyor belts are engineered for hygiene and safety, designed for direct contact with food products while maintaining durability and efficiency. Manufactured using non-toxic, FDA-approved materials, these belts ensure contamination-free transport, making them ideal for food processing, handling, and packaging applications.

Their smooth, non-porous surface prevents bacterial growth, ensuring compliance with strict hygiene standards for sensitive environments like pharmaceutical plants and cleanrooms.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

FOOD GRADE CONVEYOR BELTS / HYGIENIC BELTS

Parameter	Value
Material	Rubber
Compliance	FDA, MACCP STANDARDS
Width Range	Up to 1200 MM
Ply Range	1 - 7 Ply
Temperature Resistance	-30°C to 120°C
Surface Finish	Smooth, Textured, Anti-microbial
Color Options	White
Chemical Resistance	Resistant to oils, fats, acids

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

FOOD GRADE CONVEYOR BELTS / HYGIENIC BELTS

Key Features of Food Grade Conveyor Belts

- **Non-Toxic & Safe for Direct Contact –** Meets FDA, EU, and HACCP standards for hygiene.
- **High Durability & Resistance –** Withstands extreme temperatures, oils, and cleaning chemicals.
- **Anti-Microbial & Easy to Clean –** Prevents bacterial buildup for maximum food safety.

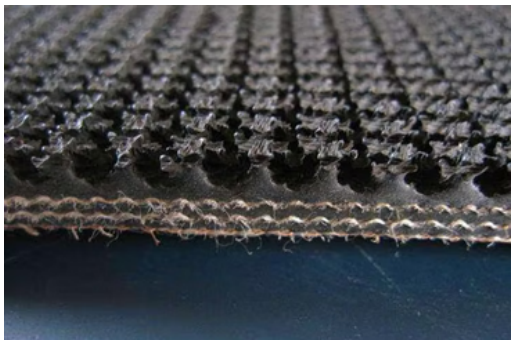
Industries Using Food Grade Conveyor Belts

- **Food Processing & Manufacturing –** Used in bakeries, meat processing, seafood handling, and dairy plants.
- **Pharmaceutical & Cleanrooms –** Ensures contamination-free transport in medical-grade environments.
- **Confectionery & Dairy Industry –** Suitable for chocolates, sweets, cheese, and other dairy products.
- **Agriculture & Fruit Packing –** Efficient for sorting, grading, and packaging fresh produce.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

ROUGH TOP CONVEYOR BELTS

Rough Top Conveyor Belts are designed for efficient material handling with a textured surface that enhances grip, prevents slippage, and absorbs impact. These belts ensure smooth transport of lightweight, fragile, and bulk materials across horizontal and inclined conveyors.



BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

ROUGH TOP CONVEYOR BELTS

Parameter	Value
Top Surface	Textured/Rough Profile
Base Material	Nylon/Nylon Fabric/EE
Belt Thickness	5 - 16 mm
Width Range	300 - 1200 MM
Grip Height	2 - 5 MM
Cover Grade	M-24, N-17, OR, FR
Tensile Strength	250-600 N/mm

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

ROUGH TOP CONVEYOR BELTS

Key Features of Rough Top Conveyor Belts

- **Superior Grip & Traction –** Prevents material rollback and ensures control on steep inclines.
- **Impact Absorption –** Cushions goods to minimize damage to fragile materials.
- **Durability & Strength –** Built for industrial use with minimal wear and tear.

Industries Using Rough Top Conveyor Belts

- **Textile Industry –** Helps transport fabrics securely without slippage.
- **Logistics & Warehousing –** Ideal for handling packaged and fragile goods.
- **Airport & Baggage Handling –** Ensures stable luggage movement on inclined belts.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

CHEVRON CONVEYOR BELTS

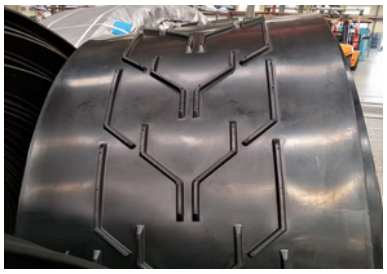
Chevron Conveyor Belts are designed with raised cleats to enhance grip and ensure efficient material transport on steep inclines. They minimize slippage and increase operational efficiency in industries like mining, agriculture, construction, and recycling.

Available in various types:

- **C15 Chevron Belt (V-Shaped Cleat) – I**deal for medium incline applications, transporting sand, gravel, and bulk materials.

- **C22 Chevron Belt (U-Shaped Cleat) –** Provides enhanced grip for slightly steeper inclines and better load stability.

- **C30 Chevron Belt (Y-Shaped Cleat) –** Optimized for heavy loads and steeper angles, used in industrial applications.



CHEVRON CONVEYOR BELTS

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Available in various types:

- **C15 Chevron Belt (V-Shaped Cleat)**
  Ideal for medium incline applications, transporting sand, gravel, and bulk materials.

Parameter	Value
Profile	V-Shaped Cleat
Cleat Cross Section	45° Inclined
Width Range	500 - 1000 MM
Cleat Height	15 MM
Cleat Width	200 - 500 MM
Pitch	250 - 400 MM
Material	EP/Nylon/Nylon Fabric/EE
Cover Grade	M-24, N-17
Industry	Sand & Gravel, Agriculture, Packaging

- **C22 Chevron Belt (U-Shaped Cleat)**
  Provides enhanced grip for slightly steeper inclines and better load stability.

Parameter	Value
Profile	U-Shaped Cleat
Cleat Cross Section	Curved Profile
Width Range	500 - 1000 MM
Cleat Height	22 MM
Cleat Width	220 - 550 MM
Pitch	280 - 450 MM
Material	EP/Nylon/Nylon Fabric/EE
Cover Grade	M-24, N-17
Industry	Coal, Recycling, Grain Transportation

- **C30 Chevron Belt (Y-Shaped Cleat)**
  Optimized for heavy loads and steeper angles, used in industrial applications.

Parameter	Value
Profile	Y-Shaped Cleat
Cleat Cross Section	Split Ridge
Width Range	600 - 1000 MM
Cleat Height	30 MM
Cleat Width	300 - 700 MM
Pitch	320 - 600 MM
Material	EP/Nylon/Nylon Fabric/EE
Cover Grade	N-17, SAR
Industry	Mining, Heavy Industry, Cement Manufacturing

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

CHEVRON CONVEYOR BELTS

Key Features of Chevron Conveyor Belts

- **Superior Grip on Inclines –** Raised cleats prevent material slippage.
- **Enhanced Load Stability –** Designed for bulk material handling.
- **Durability & Wear Resistance –** High-strength rubber compounds ensure longevity.

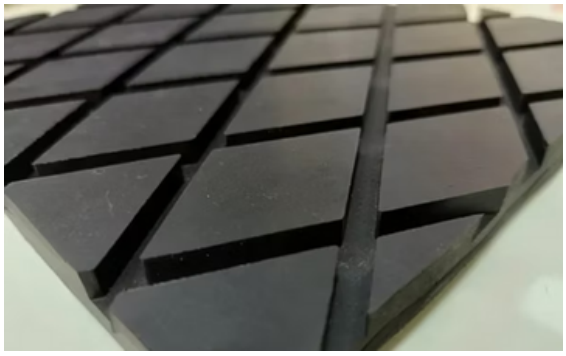
Industries Using Chevron Conveyor Belts

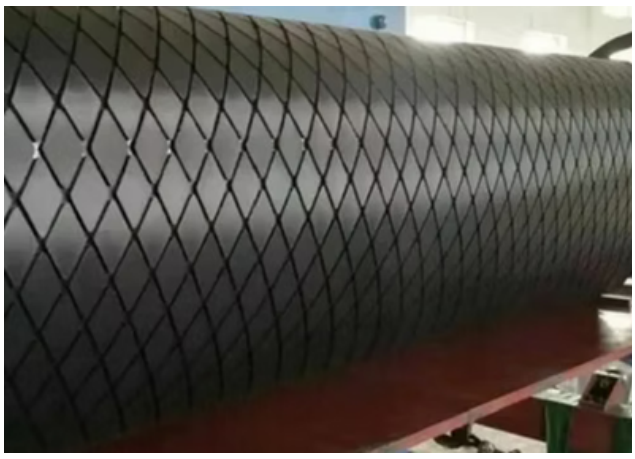
- **Mining & Quarrying –** Efficient transport of bulk minerals, aggregates, and coal.
- **Agriculture & Food Processing –** Used for conveying grains, fertilizers, and packaged goods.
- **Construction & Recycling –** Ideal for moving sand, gravel, and debris in demanding environments.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

DIAMOND GROOVE CONVEYOR BELTS

Rough Top Conveyor Belts are designed for efficient material handling with a textured surface that enhances grip, prevents slippage, and absorbs impact. These belts ensure smooth transport of lightweight, fragile, and bulk materials across horizontal and inclined conveyors.





BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

DIAMOND GROOVE CONVEYOR BELTS

Parameter	Value
Surface Pattern	Diamond-Shaped Grooves
Base Material	EP/Nylon/Nylon, Rubber/EE
Width Range	400 - 1200 MM
Belt Thickness	8 - 15 MM
Groove Depth	1.5 - 5 MM
Cover Grade	M-24, N-17, HRT, SAR, FR
Tensile Strength	250-800 N/mm
Temperature Resistance	-30°C to 120°C
Chemical Resistance	Resistant to oils, water, and mild acids

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

DIAMOND GROOVE CONVEYOR BELTS

Key Features of Diamond Groove Conveyor Belts

- **Superior Traction & Anti-Slip Design –** Diamond-shaped grooves enhance grip on wet and slippery surfaces.
- **Effective Water & Oil Drainage –** Reduces material buildup, ensuring clean operation.
- **High Wear Resistance & Durability –** Built for tough industrial environments requiring long-term reliability.
- **Temperature Resistance –** Can withstand extreme temperatures from -30°C to 120°C.
- **Chemical Resistance –** Resistant to oils, water, and mild acids.

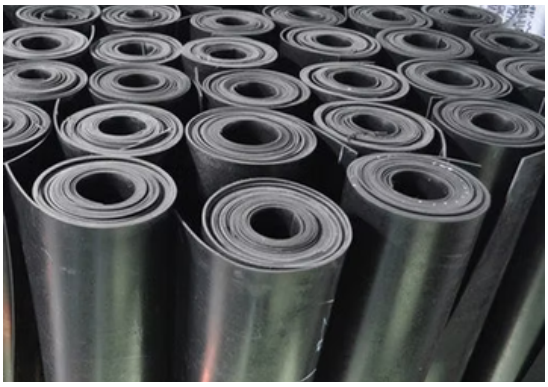
Industries Using Diamond Groove Conveyor Belts

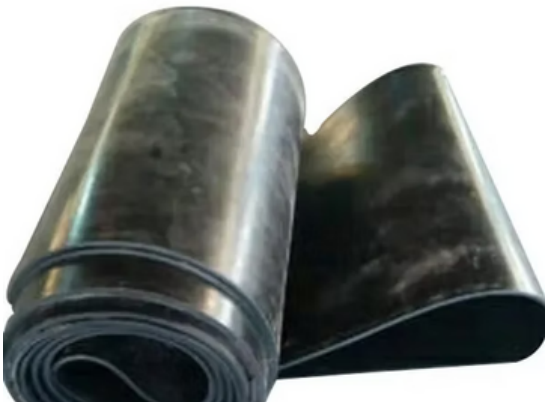
- **Mining & Quarrying –** Provides excellent grip for transporting minerals and aggregates.
- **Automotive & Rubber Industry –** Used in tire manufacturing and rubber processing plants.
- **Steel & Metal Processing –** Ensures slip-resistant material movement in heavy-duty operations.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

RUBBER SHEETS

Rubber Sheets are versatile materials made from natural and synthetic rubber compounds, offering excellent durability, flexibility, and resistance to chemicals and extreme temperatures. They are used across various industries for insulation, sealing, flooring, and protection in demanding environments.





BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

RUBBER SHEETS

Parameter	Value
Material	Natural Rubber, NBR, EPDM, Neoprene, Silicone
Width	100 - 1500 MM
Thickness	1.5 - 16 MM
Hardness	40-80 Shore A
Temperature Resistance	-40°C to 200°C
Surface Finish	Smooth, Textured
Tensile Strength	5-20 MPa
Elongation	200-600%
Chemical Resistance	Resistant to oils, acids, alkalis

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

RUBBER SHEETS

Key Features of Rubber Sheets

- **High Durability & Flexibility –** Ideal for heavy-duty industrial applications.
- **Chemical & Heat Resistance –** Protects against oils, acids, alkalis, and temperatures from -40°C to 200°C.
- **Customizable Options –** Available in various thicknesses and surface finishes for specific needs.

Industries Using Rubber Sheets

- **Construction & Infrastructure –** Used in flooring, insulation, and waterproofing.
- **Electrical & Electronics –** Provides insulation for wiring and electrical components.
- **Marine & Aerospace –** Essential for sealing, cushioning, and noise reduction systems.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

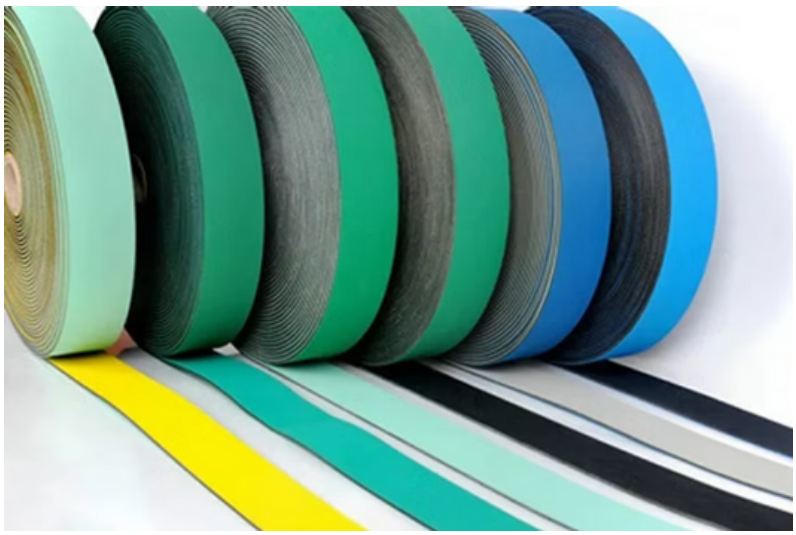
TRANSMISSION BELTS

Transmission belts efficiently transfer mechanical power between rotating shafts, ensuring smooth and reliable operation in various industries. Made from high-strength materials, they offer durability, flexibility, and wear resistance, making them ideal for industrial machines, automotive systems, and agricultural equipment.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TRANSMISSION BELTS

Parameter	Value
Material	Rubber, Nylon, Cotton Fabric
Belt Type	Flat
Width	25 - 1200 MM
Length	100 M - 300 M
Thickness	3.5 - 12 MM
Tensile Strength	100 - 800 N/mm
Temperature Resistance	-30°C to 120°C



BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TRANSMISSION BELTS

Key Features of Transmission Belts

- **High Efficiency Power Transfer –** Reduces energy loss for seamless operation.
- **Durable & Wear-Resistant –** Built for heavy-duty industrial use.
- **Flexible & Customizable Designs –** Available in various sizes and materials for industry-specific needs.
- **Temperature Resistance –** Operates in extreme conditions from -30°C to 120°C.
- **Surface Finish Options –** Smooth, textured, and anti-static variants for different applications.

Industries Using Transmission Belts

- **Textile Industry –** Drives spinning machines and weaving equipment.
- **Automotive & Vehicle Systems –** Used in engines and machinery for smooth power transmission.
- **Steel & Heavy Machinery –** Essential for power-driven systems in metal processing.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

SPECIFICATION & STANDARDS

Our brochure initially introduced **Boston Rubbers'** core product lineup, highlighting key features, applications, and **products** across our range of rubber conveyor belts. This section served as a quick reference for customers to understand the types of belts available, their general performance characteristics, and suitable industries. It laid the foundation for product awareness and selection, focusing on practical use cases and visual clarity.

To enhance technical depth and support informed decision-making, we are now extending the brochure with detailed **datasheets and specification** charts. These additions include tensile strength ratings, elongation profiles, abrasion resistance, temperature tolerance, and compliance with international standards. By integrating these technical documents, we aim to provide engineers, procurement teams, and field operators with audit-ready data that supports precise selection, performance benchmarking, and long-term reliability.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

CONVEYOR BELT GRADES GUIDE

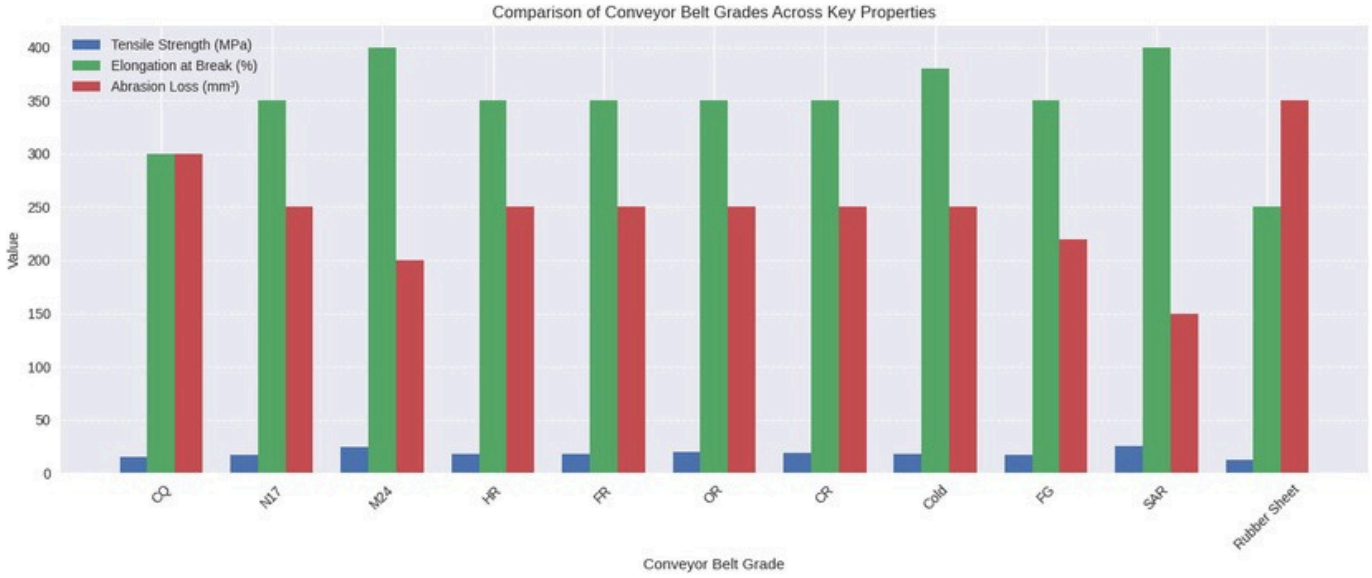
Conveyorbelt grades are standardized classifications thatdefinethe performance,durability, and compliance of beltsused across industries. Each grade is engineered with specific rubber compounds and reinforcement fabrics to meet operational demands such as abrasion resistance, heat tolerance, flame safety, oil and chemical compatibility, cold flexibility, and food contact compliance. This document provides a structured overview of the recognized grades, highlighting their key properties and applications. Detailed technical specifications and test data are included in subsequent sections for reference.

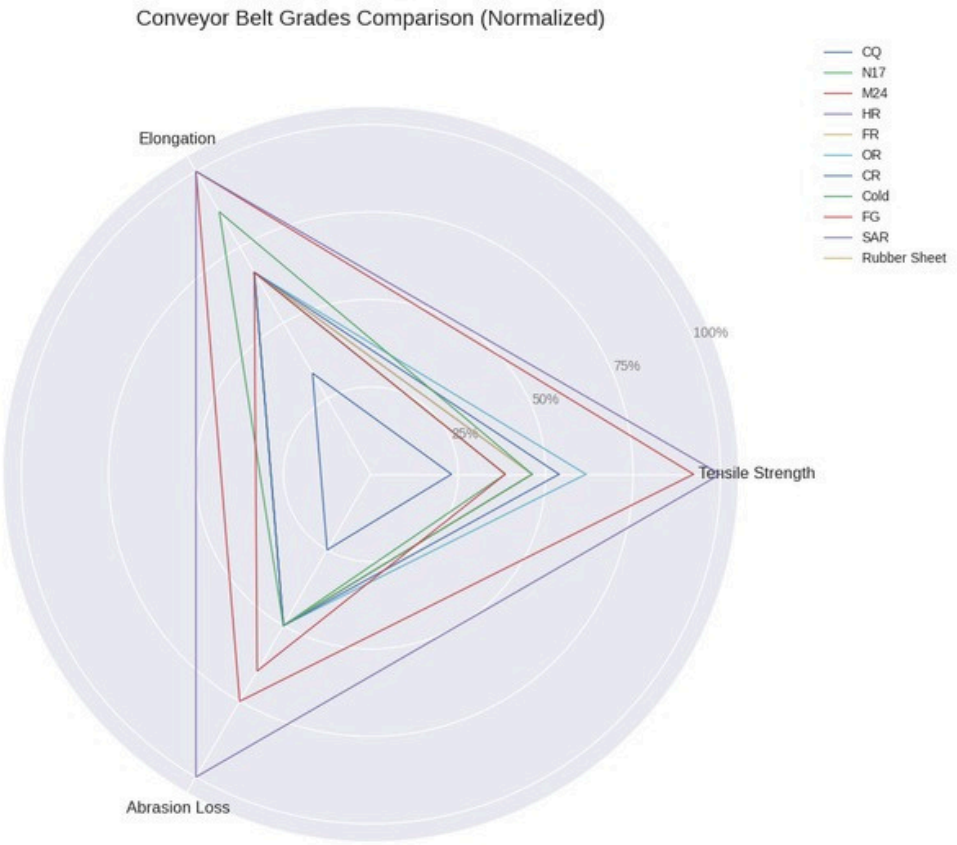
Commercial Quality Conveyor Belt (CQ)
General Duty Conveyor Belt (N17)
Abrasion Resistant Conveyor Belt (M24)
Heat Resistant Conveyor Belt (HR)
Fire Resistant Conveyor Belt (FR)
Oil Resistant Conveyor Belt (OR)
Chemical Resistant Conveyor Belt (CR)
Cold Resistant Conveyor Belt
Food Grade Conveyor Belt (FG)
Super Abrasion Resistant Conveyor Belt (SAR)
Commercial Rubber Sheet

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Grade	Tensile Strength (MPa)	Elongation at Break (%)	Abrasion Loss (mm^3)	Special Property / Resistance
CQ (Commercial Quality)	≥15	≥300	≤300	General duty, economical
N17 (General Duty)	≥17	≥350	≤250	Balanced strength for moderate duty
M24 (Abrasion Resistant)	≥24	≥400	≤200	High abrasion resistance
HR (Heat Resistant)	≥18	≥350	≤250	Withstands 100–150 °C continuous heat
FR (Fire Resistant)	≥18	≥350	≤250	Self-extinguishing, flame spread ≤150 mm
OR (Oil Resistant)	≥20	≥350	≤250	Resists swelling/softening in oils
CR (Chemical Resistant)	≥19	≥350	≤250	Resists acids, alkalis, corrosives
Cold Resistant	≥18	≥380	≤250	Flexible at −40 °C, crack-free
FG (Food Grade)	≥17	≥350	≤220	FDA/ISI compliant, hygienic handling
SAR (Super Abrasion Resistant)	≥25	≥400	≤150	Extreme abrasion resistance
Rubber Sheet	≥12	≥250	≤350	General industrial use, sealing/padding

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE





BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

CONVEYOR BELT SELECTION CHART (Boston Rubbers)

	Cover Type	Tensile Strenght (P)	Elongation at Break (% Min)	Abrasion Loss (mm^2 Max)	General Applications	Reference Standards
General Purpose	M-24	24	400–450	200	Rugged service for conveying metallic o	Rugged service for conveying metailic ores, lime, coal, cement
Abrasion Resistant	N-17	25	400–400	150	General duty. medium load conveyo yers	Rugged service for conveying me-tal-lic ores, lime, cement
Heat Resistant	HR-T1	18	350	250		Very high abrasive materials like limestone, slag, iron ore, glass
	HR-T2	18	400	200	Hot material up to 100–125 °C	Hot material up to 100–125 °C
Fire Resistant	HR-T3	20	450	180	Hot material up to 200 °C	Hot material up to 150–180 °C
Fire Resistant	FR-C	17	350	200	Surface coal mines, fire hazard zones, anti-static, low burn-ing rate	Surface coal mines, fire hazard zones anti-static, low burning rate
	OR	20	350	175		High resistance to mineral, vegbta-ble, and animal oils/fats
Food Grade	FG	17	350	220	Non-toxic, hygienic betts for food indus-try	Flexible at low temperatures, sultable for cold storage andoutdoor conveyors
Cold Resistant	CR	19	380	250	Flexible at low temperatures, suitable for cold storage and outdoor conveyors	

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

1. COMMERCIAL QUALITY (CQ)

CommercialQuality belts are designed for general purpose conveying under ambient conditions. They provide balanced tensile strength, elongation, and abrasion resistance suitable for light to medium duty applications. CQ belts are widely used in industries where cost efficiency and reliable performance are required without exposure to heat, oil, flame, or chemicals.

Attribute	Value
Grade Name	Commercial Quality Conveyor Belt
Density (kg/m³)	1200
Strength per ply (kN/m)	20.0
Cover Grade	Commercial Quality Conveyor Belt
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	N/A
Chemical Resistance Class	N/A
Food Compliance Class	N/A
Abrasion Class	General Duty
Reference	ISI 1891 Part I – General Purpose Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value	Requirement
Ply to Top Cover Adhesion	kN/m	2.0	Min.
Ply to Bottom Cover Adhesion	kN/m	2.0	Min.
Ply to Ply Adhesion	kN/m	3.0	Min.
Tensile Strength (Before Ageing)	MPa	15.0	Min.
Elongation at Break (Before Ageing)	%	300	Min.
Abrasion Loss (Before Ageing)	mm^3	300	Max.
Hardness (Before Ageing)	Shore A	65	±5
% Change in Tensile Strength (After Ageing)	%	-40	Max.
% Change in Elongation at Break (After Ageing)	%	-55	Max.
Adhesion (Top/Bottom/Ply After Ageing)	%	-50	Max.
Tensile Strength Warp Direction	kN/m	140	Min.
Tensile Strength Weft Direction	kN/m	100	Min.
Elongation at 10% Reference Load	%	2.0	Max.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

2. GENERAL DUTY CONVEYOR BELT (N17)

TheN17grade isageneralpurpose conveyor belt designed for ambient service conditions, offering improved tensile strength and elongation compared to Commercial Quality. With a density of 1200 kg/m³ and a ply strength of 25 kN/m, N17 belts are suitable for industries that require a balance of durability and cost efficiency. Edge options include cut, moulded, and sealed edges, making them adaptable to different installation requirements. This grade is standardized under ISI 1891 Part I – General Duty N17 specification.

Attribute	Value
Grade Name	General Duty Conveyor Belt (N17)
Density (kg/m³)	1200
Strength per ply (kN/m)	25.0
Cover Grade	General Duty Conveyor Belt (N17)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	N/A
Chemical Resistance Class	N/A
Food Compliance Class	N/A
Abrasion Class	N17
Reference	ISI 1891 Part I – General Duty N17 specification

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Tensile Strength (Before Ageing)	MPa	≥17
Elongation at Break (Before Ageing)	%	≥350
Abrasion Loss (Before Ageing)	mm^3	≤250
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥2.5
Ply to Bottom Cover Adhesion	kN/m	≥2.5
Ply to Ply Adhesion	kN/m	≥3.5
Ageing Change – Tensile Strength	%	≤ -35
Ageing Change – Elongation	%	≤ -50
Adhesion after Ageing	%	≤ -50
Tensile Strength Warp Direction	kN/m	≥160
Tensile Strength Weft Direction	kN/m	≥120
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

3. ABRASION RESISTANT CONVEYOR BELT (M24)

TheM24 grade is theindustry benchmark for abrasion resistance, designed for heavy-duty applications such as mining, cement, stone crushing, and bulk material handling. With a density of 1200 kg/m³ and a ply strength of 30 kN/m, M24 belts deliver superior durability under continuous wear. Edge options include cut, moulded, and sealed edges, ensuring flexibility in installation. This grade is standardized under ISI 1891 Part I – Abrasion Resistant M24 specification.

Attribute	Value
Grade Name	Abrasion Resistant Conveyor Belt (M24)
Density (kg/m³)	1200
Strength per ply (kN/m)	30.0
Cover Grade	Abrasion Resistant Conveyor Belt (M24)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	N/A
Chemical Resistance Class	N/A
Food Compliance Class	N/A
Abrasion Class	M24
Reference	ISI 1891 Part I – Abrasion Resistant M24 specification

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Tensile Strength (Before Ageing)	MPa	≥24
Elongation at Break (Before Ageing)	%	≥400
Abrasion Loss (Before Ageing)	mm^3	≤200
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥3.0
Ply to Bottom Cover Adhesion	kN/m	≥3.0
Ply to Ply Adhesion	kN/m	≥4.0
Ageing Change – Tensile Strength	%	≤ -25
Ageing Change – Elongation	%	≤ -40
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥180
Tensile Strength Weft Direction	kN/m	≥130
Elongation at 10% Reference Load	%	≤1.5

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

4. HEAT RESISTANT CONVEYOR BELT (HR)

HeatResistant belts are designed for industries where materials are conveyed at elevated temperatures, such as cement plants, foundries, and steel mills. With a density of 1200 kg/m³ and a ply strength of 24 kN/m, HR belts maintain mechanical integrity under continuous thermal stress. They are available with cut, moulded, and sealed edge options, and are classified into HR, SHR (Super Heat Resistant), and UHR (Ultra Heat Resistant) tiers depending on the severity of heat exposure. This grade is standardized under ISI 1891 Part II – Heat Resistant Conveyor Belts.

Attribute	Value
Grade Name	Heat Resistant Conveyor Belt (HR)
Density (kg/m³)	1200
Strength per ply (kN/m)	24.0
Cover Grade	Heat Resistant Conveyor Belt (HR)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	HR / SHR / UHR tiers
Flame Class	N/A
Oil Resistance Class	N/A
Chemical Resistance Class	N/A
Food Compliance Class	N/A
Abrasion Class	HR-grade
Reference	ISI 1891 Part II – Heat Resistant Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Continuous Service Temperature	°C	HR: up to 125 (coarse), 100 (fines)
Peak Temperature	°C	up to 150
Tensile Strength (Before Ageing)	MPa	≥18
Elongation at Break (Before Ageing)	%	≥350
Abrasion Loss (Before Ageing)	mm^3	≤250
Hardness	Shore A	65 ±5
Adhesion (Top/Bottom/Ply)	kN/m	≥3.0 / 3.0 / 4.0
Ageing Change – Tensile Strength	%	≤ -30
Ageing Change – Elongation	%	≤ -45
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥160
Tensile Strength Weft Direction	kN/m	≥120
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

5. FIRE RESISTANT CONVEYOR BELT (FR)

FireResistant beltsare engineered for environments where safety against fire hazards is critical, such as power plants, underground mines, and thermal stations. These belts are formulated with self-extinguishing rubber compounds that prevent flame propagation and minimize afterglow. With a density of 1200 kg/m³ and a ply strength of 22 kN/m, FR belts maintain mechanical integrity while offering enhanced flame resistance. Edge options include cut, moulded, and sealed edges. This grade is standardized under ISI 1891 Part V – Fire Resistant Conveyor Belts.

Attribute	Value
Grade Name	Fire Resistant Conveyor Belt (FR)
Density (kg/m³)	1200
Strength per ply (kN/m)	22.0
Cover Grade	Fire Resistant Conveyor Belt (FR)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	Fire Resistant
Oil Resistance Class	N/A
Chemical Resistance Class	N/A
Food Compliance Class	N/A
Abrasion Class	FR-grade
Reference	ISI 1891 Part V – Fire Resistant Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Flame Spread	mm	≤150
Afterglow Duration	sec	≤45
Tensile Strength (Before Ageing)	MPa	≥18
Elongation at Break (Before Ageing)	%	≥350
Abrasion Loss (Before Ageing)	mm^3	≤250
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥2.5
Ply to Bottom Cover Adhesion	kN/m	≥2.5
Ply to Ply Adhesion	kN/m	≥3.5
Ageing Change – Tensile Strength	%	≤ -30
Ageing Change – Elongation	%	≤ -45
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥160
Tensile Strength Weft Direction	kN/m	≥120
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

6. OIL RESISTANT CONVEYOR BELT (OR)

OilResistant belts are designed for industries where materials contain oils, fats, or hydrocarbons that can degrade standard rubber compounds. Typical applications include fertilizer plants, chemical industries, recycling facilities, and food processing units. With a density of 1200 kg/m³ and a ply strength of 22 kN/m, OR belts maintain mechanical strength while resisting swelling and softening caused by oil exposure. Edge options include cut, moulded, and sealed edges. This grade is standardized under ISI 1891 Part III – Oil Resistant Conveyor Belts.

Attribute	Value
Grade Name	Oil Resistant Conveyor Belt (OR)
Density (kg/m³)	1200
Strength per ply (kN/m)	22.0
Cover Grade	Oil Resistant Conveyor Belt (OR)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	OR-grade
Chemical Resistance Class	Limited
Food Compliance Class	N/A
Abrasion Class	OR-grade
Reference	ISI 1891 Part III – Oil Resistant Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Volume Change after Oil Immersion	%	≤65
Tensile Strength (Before Ageing)	MPa	≥20
Elongation at Break (Before Ageing)	%	≥350
Abrasion Loss (Before Ageing)	mm^3	≤250
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥2.5
Ply to Bottom Cover Adhesion	kN/m	≥2.5
Ply to Ply Adhesion	kN/m	≥3.5
Ageing Change – Tensile Strength	%	≤ -30
Ageing Change – Elongation	%	≤ -45
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥160
Tensile Strength Weft Direction	kN/m	≥120
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

7. CHEMICAL RESISTANT CONVEYOR BELT (CR)

ChemicalResistant belts are designed for industries where materials contain acids, alkalis, or other corrosive chemicals that can damage standard rubber compounds. Typical applications include chemical processing plants, fertilizer industries, and waste treatment facilities. With a density of 1200 kg/m³ and a ply strength of 22 kN/m, CR belts maintain mechanical strength while resisting swelling, cracking, or degradation caused by chemical exposure. Edge options include cut, moulded, and sealed edges. This grade is standardized under ISI 1891 Part IV – Chemical Resistant Conveyor Belts.

Attribute	Value
Grade Name	Chemical Resistant Conveyor Belt (CR)
Density (kg/m³)	1200
Strength per ply (kN/m)	22.0
Cover Grade	Chemical Resistant Conveyor Belt (CR)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	Limited
Chemical Resistance Class	CR-grade
Food Compliance Class	N/A
Abrasion Class	CR-grade
Reference	ISI 1891 Part IV – Chemical Resistant Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Tensile Strength (Before Ageing)	MPa	≥17
Elongation at Break (Before Ageing)	%	≥350
Abrasion Loss (Before Ageing)	mm^3	≤220
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥2.0
Ply to Bottom Cover Adhesion	kN/m	≥2.0
Ply to Ply Adhesion	kN/m	≥3.0
Ageing Change – Tensile Strength	%	≤ -30
Ageing Change – Elongation	%	≤ -45
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥140
Tensile Strength Weft Direction	kN/m	≥100
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

8. COLD RESISTANT CONVEYOR BELT

ColdResistant beltsare designed for industries where materials are conveyed in extremely low-temperature environments such as cold storage, outdoor installations in polar regions, and handling of frozen goods. These belts are formulated to remain flexible and crack-free even at −40 °C, ensuring reliable performance under freezing conditions. With a density of 1200 kg/m³ and a ply strength of 22 kN/m, Cold Resistant belts maintain mechanical strength while resisting brittleness. Edge options include cut, moulded, and sealed edges. This grade is standardized under ISI 1891 Part VI – Cold Resistant Conveyor Belts.

Attribute	Value
Grade Name	Cold Resistant Conveyor Belt
Density (kg/m³)	1200
Strength per ply (kN/m)	22.0
Cover Grade	Cold Resistant Conveyor Belt
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	Cold Resistant (−40 °C)
Flame Class	N/A
Oil Resistance Class	N/A
Chemical Resistance Class	Limited
Food Compliance Class	N/A
Abrasion Class	Cold Resistant
Reference	ISI 1891 Part VI – Cold Resistant Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Brittleness Temperature Limit	°C	≤ −40
Tensile Strength (Before Ageing)	MPa	≥18
Elongation at Break (Before Ageing)	%	≥380
Abrasion Loss (Before Ageing)	mm^3	≤250
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥2.5
Ply to Bottom Cover Adhesion	kN/m	≥2.5
Ply to Ply Adhesion	kN/m	≥3.5
Ageing Change – Tensile Strength	%	≤ -30
Ageing Change – Elongation	%	≤ -45
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥160
Tensile Strength Weft Direction	kN/m	≥120
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

9. FOOD GRADE CONVEYOR BELT (FG)

FoodGradebeltsare specially formulated for industries where hygiene, safety, and compliance with food handling standards are critical. These belts are manufactured using non-toxic, odorless, and tasteless rubber compounds that prevent contamination of food products. Typical applications include sugar mills, bakeries, grain handling, and food processing plants. With a density of 1200 kg/m^3 and a ply strength of 20 kN/m, FG belts combine mechanical strength with compliance to FDA and ISI standards. Edge options include cut, moulded, and sealed edges.

Attribute	Value
Grade Name	Food Grade Conveyor Belt (FG)
Density (kg/m^3)	1200
Strength per ply (kN/m)	20.0
Cover Grade	Food Grade Conveyor Belt (FG)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	Limited
Chemical Resistance Class	Limited
Food Compliance Class	FDA / ISI compliant
Abrasion Class	FG-grade
Reference	ISI 1891 Part VII – Food Grade Conveyor Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Volume Change after Chemical Immersion	%	≤40
Tensile Strength (Before Ageing)	MPa	≥19
Elongation at Break (Before Ageing)	%	≥350
Abrasion Loss (Before Ageing)	mm^3	≤250
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥2.5
Ply to Bottom Cover Adhesion	kN/m	≥2.5
Ply to Ply Adhesion	kN/m	≥3.5
Ageing Change – Tensile Strength	%	≤ -30
Ageing Change – Elongation	%	≤ -45
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥160
Tensile Strength Weft Direction	kN/m	≥120
Elongation at 10% Reference Load	%	≤2.0

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

10. SUPER ABRASION RESISTANT CONVEYOR BELT (SAR)

Super AbrasionResistant belts are engineered for the most demanding bulk handling applications where materials are extremely sharp, heavy, or highly abrasive. Industries such as mining, stone crushing, and iron ore handling rely on SAR belts for their exceptional wear resistance and extended service life. With a density of 1200 kg/m³ and a ply strength of 32 kN/m, SAR belts deliver maximum durability under continuous heavy load. Edge options include cut, moulded, and sealed edges. This grade is standardized under ISI 1891 Part I – Super Abrasion Resistant specification.

Attribute	Value
Grade Name	Super Abrasion Resistant Conveyor Belt (SAR)
Density (kg/m³)	1200
Strength per ply (kN/m)	32.0
Cover Grade	Super Abrasion Resistant Conveyor Belt (SAR)
Edge Options	Cut Edge, Moulded Edge, Sealed Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	N/A
Chemical Resistance Class	N/A
Food Compliance Class	N/A
Abrasion Class	SAR-grade
Reference	ISI 1891 Part I – Super Abrasion Resistant Belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Tensile Strength (Before Ageing)	MPa	≥25
Elongation at Break (Before Ageing)	%	≥400
Abrasion Loss (Before Ageing)	mm^3	≤150
Hardness	Shore A	65 ±5
Ply to Top Cover Adhesion	kN/m	≥3.0
Ply to Bottom Cover Adhesion	kN/m	≥3.0
Ply to Ply Adhesion	kN/m	≥4.0
Ageing Change – Tensile Strength	%	≤ -25
Ageing Change – Elongation	%	≤ -40
Adhesion after Ageing	%	≤ -40
Tensile Strength Warp Direction	kN/m	≥200
Tensile Strength Weft Direction	kN/m	≥150
Elongation at 10% Reference Load	%	≤1.5

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

11. COMMERCIAL RUBBER SHEET

Commercial Rubber Sheets are versatile products used across industries for flooring, sealing, padding, and general industrial applications. Unlike conveyor belts, these sheets are supplied in flat form without fabric reinforcement, making them suitable for cutting into gaskets, lining surfaces, or providing cushioning. They are manufactured from general-purpose rubber compounds, offering balanced mechanical properties at economical cost. Typical applications include workshops, packing areas, and general engineering use.

Attribute	Value
Grade Name	Commercial Rubber Sheet
Density (kg/m³)	1200
Thickness Range	2 mm – 25 mm
Surface Finish	Smooth / Fabric Impression
Edge Options	Cut Edge
Temperature Class	General (ambient)
Flame Class	N/A
Oil Resistance Class	Limited
Chemical Resistance Class	Limited
Food Compliance Class	N/A
Abrasion Class	General Duty
Reference	ISI 1891 Part I – General Purpose Rubber Sheets

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TECHNICAL DATA

Property	Unit	Value / Requirement
Tensile Strength	MPa	≥12
Elongation at Break	%	≥250
Hardness	Shore A	65 ±5
Abrasion Loss	mm^3	≤350
Tear Strength	kN/m	≥20
Compression Set	%	≤25

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

FABRIC TYPES GUIDE

Conveyorbeltsare not just rubber covers— their strength and performance come from the fabric carcass inside. The carcass acts as the backbone of the belt, defining its tensile strength, flexibility, elongation, and resistance to impact or environmental conditions. Different fabrics are chosen depending on the duty, environment, and material being conveyed.

Key Roles of Fabric in Belts

- **Tensile Strength** → Determines how much load the belt can carry without breaking.
- **Elongation & Flexibility** → Impacts how the belt bends around pulleys and absorbs shocks.
- **Dimensional Stability** → Ensures the belt doesn't stretch excessively during operation.
- **Resistance Properties** → Fabrics can be tailored to resist moisture, heat, chemicals, or abrasion.
- **Service Life** → The right fabric extends belt life and reduces downtime.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

FABRIC TYPES

1. **Cotton (CN)** → Economical, flexible, light duty.
2. **Nylon (NN)** → High strength, impact resistant, widely used.
3. **Polyester (EP)** → Low stretch, stable, chemical resistant.
4. **Nylon–Polyester Hybrid (EP/NN)** → Balanced flexibility and stability.
5. **Kevlar / Aramid** → Extreme strength, cut resistant, specialized belts.
6. **Steel Cord** → Maximum tensile strength, minimal elongation long-distance conveyors.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

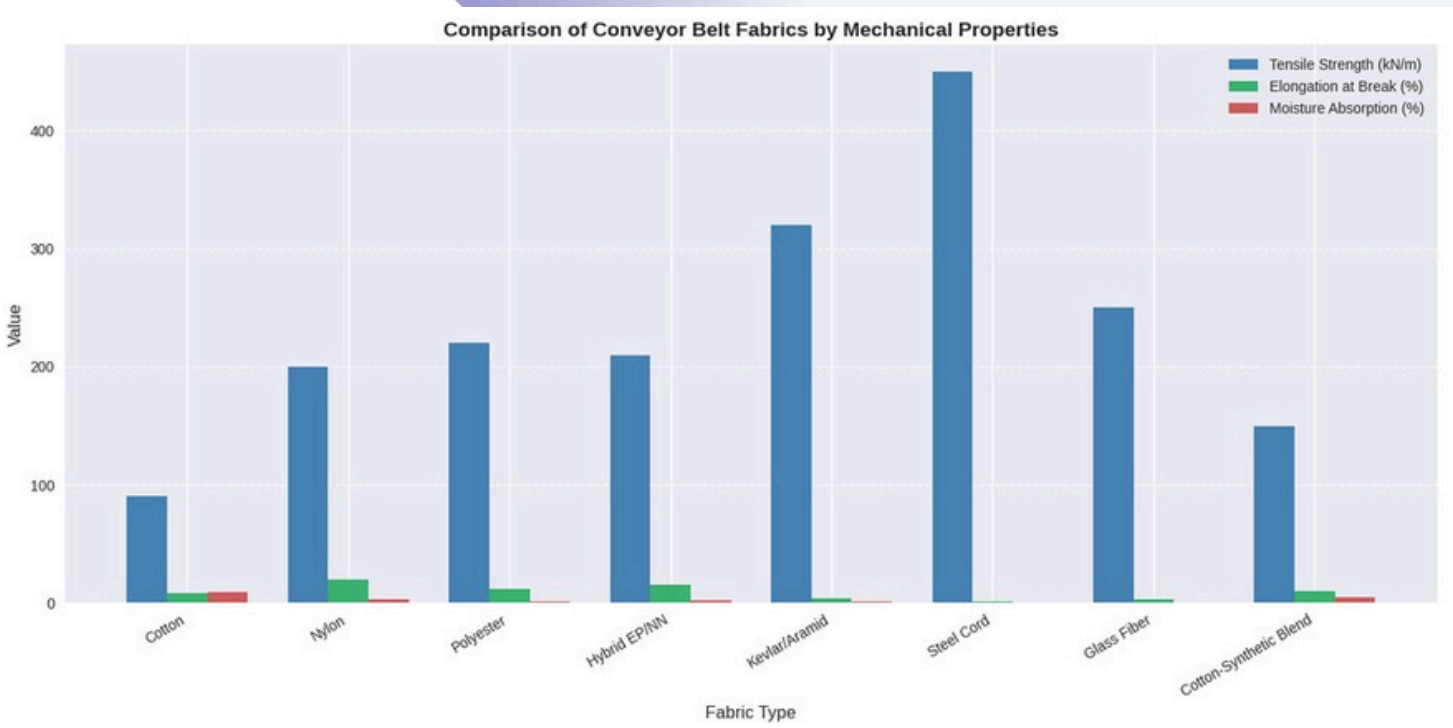
SELECTION CHART FOR NN (NYLON-NYLON)

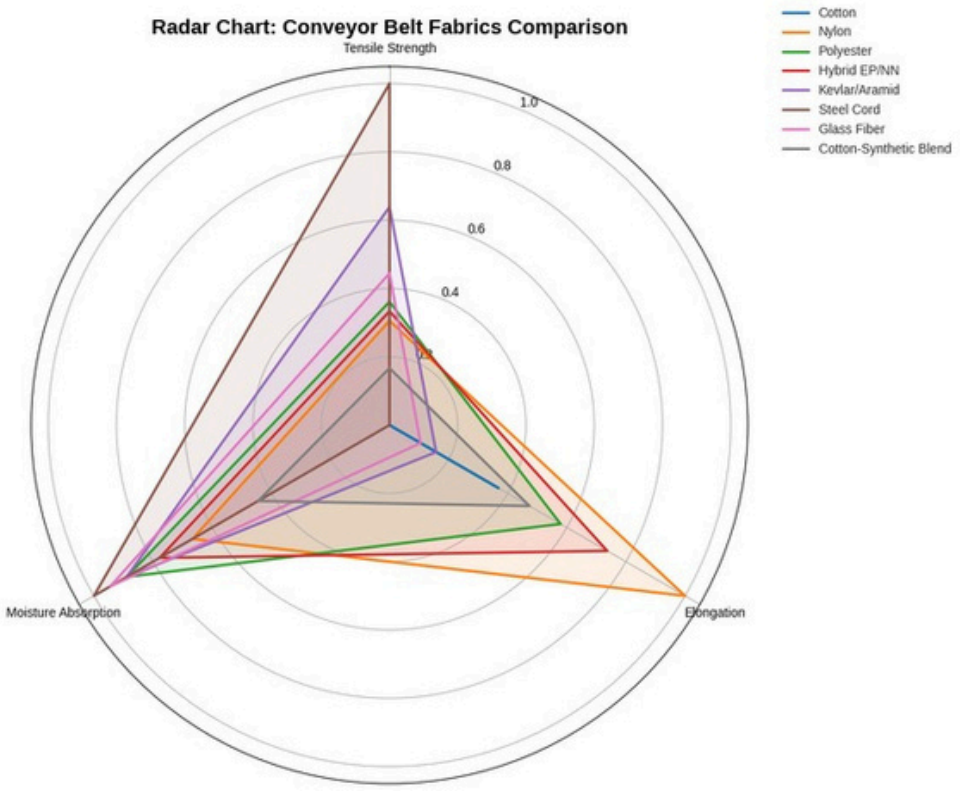
Belt Designation		Full Belt Tensile Strength	Maximum Recommended Working Tension		Nominal Carcass Thickness	Nominal Carcass Weight	Maximum Belt Width (mm) for adequate Load Support Bulk Density (T/M³)			Maximum Belt Width (mm) for Adequate Troughing		
Type	Rating	Kn / m Spice	Vulcanized fasteners Kn / m	Mechanical	(mm)	Kg./m²	upto 1.0	upto 1.5	upto 2.5 Idlers	20 Deg	30 Deg Idlers	45 Deg Idlers
General Duty (GD)	200/2	200	20	20	2.4	2.850	650	500	-	300	400	500
	250/2	250	25	25	2.5	3.000	650	600	-	300	400	500
	315/2	315	31	31	2.7	3.250	900	650	500	300	400	500
	315/3	315	31	31	3.0	3.600	1000	800	650	400	500	500
	400/3	400	40	40	3.3	3.950	1200	900	650	500	500	500
	400/4	400	40	40	4.1	4.900	1200	900	650	500	500	500
	500/3	500	50	-	3.6	4.300	1200	900	650	500	500	500
	500/4	500	50	-	4.3	5.200	1200	900	650	500	500	500
	630/3	630	63	-	4.1	4.900	1200	1000	800	500	500	500
	630/4	630	63	-	5.0	6.000	1200	1000	800	500	500	500
Heavy Duty (HD)	200/2	200	20	20	2.5	3.000	800	650	500	400	400	500
	250/2	250	25	25	2.8	3.350	800	650	500	400	400	500
	315/2	315	31	31	3.0	3.600	1000	800	650	400	500	500
	315/3	315	31	31	3.3	3.950	1200	1000	650	500	500	500
	400/2	400	40	40	3.2	3.800	1200	1000	800	500	500	500
	400/3	400	40	40	3.5	4.200	1200	1000	800	500	500	650
	400/4	400	44	40	4.3	5.150	1200	1000	800	500	500	695
	500/3	500	50	-	3.9	4.700	1400	1000	800	500	500	695
	500/4	500	55	-	4.5	5.400	1400	1200	900	500	650	695
	630/3	630	63	-	4.1	4.900	1600	1400	1200	650	800	800
	630/4	630	70	-	5.4	6.450	1600	1600	1400	650	900	900
	800/4	800	90	-	5.9	7.050	1600	1600	1400	650	800	900
	1000/4	1000	110	-	6.0	7.200	1800	1800	1800	800	900	1000
	1000/5	1000	110	-	7.0	8.400	1800	1800	1800	800	900	1000
	1250/4	1250	140	-	6.5	7.800	1800	1800	1800	800	900	1000
	1250/5	1250	140	-	7.4	8.850	1800	1800	1800	900	900	1000
	1400/4	1400	154	-	7.0	8.400	2000	1800	1600	750	800	1000
	1400/5	1400	154	-	8.0	9.600	2000	1800	1800	800	900	1200
	1600/4	1600	180	-	8.0	9.600	2000	2000	2000	800	900	1000
	1600/5	1600	180	-	9.0	10.800	2000	2000	2000	800	900	1200
	1800/5	1800	200	-	9.5	11.400	2400	2400	2400	800	1000	1200
	2000/5	2000	220	-	10.0	12.000	2400	2400	2400	800	1000	1200
	2000/6	2000	220	-	11.5	13.800	2400	2400	2400	800	1000	1200
Extra Heavy Duty (EHD)	400/4	400	44	-	4.8	5.750	1200	1000	800	500	500	500
	500/4	500	55	-	5.0	6.000	1400	1000	900	500	500	500
	630/4	630	70	-	5.8	6.950	1400	1200	1000	500	500	500
	800/4	800	90	-	6.5	7.800	1600	1400	1050	500	500	650
	800/5	800	90	-	7.2	8.650	1600	1600	1200	600	650	800
	1000/4	1000	110	-	6.0	7.200	1800	1400	1200	600	750	900
	1000/5	1000	110	-	7.5	9.000	1800	1600	1400	750	900	1000
	1250/4	1250	140	-	7.0	8.400	1800	1600	1400	750	800	900
	1250/5	1250	140	-	8.0	9.600	1800	1800	1600	800	900	1000
	1400/4	1400	154	-	7.5	9.000	2000	1800	1600	750	800	1000
	1400/5	1400	154	-	8.5	10.200	2000	1800	1800	800	900	1200
	1600/4	1600	180	-	8.5	10.200	2000	2000	2000	800	900	1000
	1600/5	1600	180	-	9.5	11.400	2000	2000	2000	800	900	1200
	1800/5	1800	200	-	10.0	12.000	2400	2400	2400	800	1000	1200
	2000/5	2000	220	-	11.0	13.200	2400	2400	2400	800	1000	1200
	2000/6	2000	220	-	12.5	15.000	2400	2400	2400	800	1000	1200

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

SELECTION CHART FOR EP (POLYESTER-NYLON)

Belt Designation		Full Belt Tensile Strength	Maximum Recommended Working Tension	Nominal Carcass Thickness	Nominal Carcass Weight	Maximum Belt Width (mm) for adequate Load Support Bulk Density (T/M³)			Maximum Belt Width (mm) for Adequate Troughing		
Type	Rating	Kn / m Spice	Vulcanized fasteners Kn/m	(mm)	Kg./m²	upto 1.0	upto 1.5	upto 2.5 Idlers	20 Deg	30 Deg Idlers	45 Deg Idlers
General Duty (GD)	315/3	315	31.5	3.3	3.950	1200	1000	800	500	500	500
	400/3	400	40	3.5	4.200	1200	1000	800	500	500	650
	400/4	400	40	4.4	5.300	1200	1000	800	500	500	650
	500/3	500	55	3.8	4.500	1400	1000	800	500	500	650
	500/4	500	55	4.8	5.500	1400	1200	900	500	650	650
	630/3	630	70	4.5	5.400	1600	1400	1200	650	800	800
	630/4	630	70	5.3	6.350	1600	1600	1400	650	800	900
	800/4	800	90	6.0	7.200	1600	1600	1400	650	800	900
Heavy Duty (HD)	315/3	315	31.5	3.6	4.300	1200	1000	800	500	500	500
	400/3	400	40	3.8	4.500	1200	1000	800	500	500	500
	400/4	400	40	4.6	5.500	1200	1000	800	500	500	500
	500/3	500	55	4.2	4.000	1400	1000	800	500	500	500
	500/4	500	55	5.0	6.000	1400	1000	900	500	500	500
	630/3	630	70	4.8	5.750	1400	1200	1000	500	500	500
	630/4	630	70	5.8	6.950	1400	1200	1000	500	500	500
	800/4	800	90	6.4	7.680	1600	1400	1050	500	500	650
	800/5	800	90	7.0	8.400	1600	1600	1200	600	650	800
	1000/4	1000	110	6.5	7.800	1800	1400	1200	600	750	900
	1000/5	1000	110	7.4	8.850	1800	1600	1400	750	900	1000
	1250/4	1250	140	7.0	8.400	1800	1600	1400	750	800	900
	1250/5	1250	140	8.0	9.600	1800	1800	1600	800	900	1000
	1400/4	1400	145	7.5	9.000	2000	1800	1600	750	800	1000
	1400/5	1400	145	8.5	10.200	2000	1800	1800	800	900	2000
	1600/4	1600	180	8.5	10.200	2000	2000	2000	800	900	1000
	1600/5	1600	180	9.5	11.400	2000	2000	2000	800	900	1200
	1800/5	1800	200	10.0	12.000	2400	2400	2400	800	1000	1200
	2000/5	2000	220	10.5	12.600	2400	2400	2400	800	1000	1200
	2000/6	2000	220	12.0	14.400	2400	2400	2400	800	1000	1200
Extra Heavy Duty (EHD)	1000/4	1000	110	7.0	8.400	1800	1400	1200	600	750	900
	1000/5	1000	110	8.0	9.600	1800	1600	1400	750	900	1000
	1250/4	1250	140	7.5	9.000	1800	1600	1400	750	800	900
	1250/5	1250	140	8.5	10.200	1800	1800	1600	800	900	1000
	1400/4	1400	154	8.0	9.600	2000	1800	1600	750	800	1000
	1400/5	1400	154	9.0	10.800	2000	1800	1800	800	900	1200
	1600/4	1600	180	9.0	10.800	2000	2000	2000	800	900	1000
	1600/5	1600	180	10.0	12.000	2400	2400	2400	800	900	1200
	1800/5	1800	200	10.5	12.600	2400	2400	2400	800	1000	1200
	2000/5	2000	220	11.5	13.800	2400	2400	2400	800	1000	1200
	2000/6	2000	220	13.0	15.600	2400	2400	2400	800	1000	1200


Comparison of Conveyor Belt Fabrics by Mechanical Properties
Tensile Strength (kN/m)
Elongation at Break (%)
Moisture Absorption (%)
Value
0
100
200
300
400
Cotton
Nylon
Polyester
Hybrid EP/NN
Kevlar/Aramid
Steel Cord
Glass Fiber
Cotton-Synthetic Blend
Fabric Type


Radar Chart: Conveyor Belt Fabrics Comparison
Tensile Strength
Elongation
Moisture Absorption
0.4
0.6
0.8
1.0
Cotton
Nylon
Polyester
Hybrid EP/NN
Kevlar/Aramid
Steel Cord
Glass Fiber
Cotton-Synthetic Blend

1. Cotton (CN)

Field Name	Value / Rating
Fabric Type	Cotton (CN)
Tensile Strength (kN/m)	Low (≈ 80–100)
Elongation at Break (%)	6–10%
Modulus / Elasticity	Low (soft, flexible)
Impact Resistance	Low
Moisture Absorption (%)	High (≈ 8–10%)
Temperature Resistance (°C)	–10 to +80
Chemical Resistance	Poor (weak against acids/alkalis)
Abrasion Resistance	Low
Cost Rating	Low
Typical Applications	Light duty belts, packaging, agriculture, short conveyors

2. Nylon (NN)

Field Name	Value / Rating
Fabric Type	Nylon (NN / Polyamide)
Tensile Strength (kN/m)	Medium–High (≈ 180–220)
Elongation at Break (%)	18–25%
Modulus / Elasticity	Medium (flexible, good recovery)
Impact Resistance	High
Moisture Absorption (%)	Low (≈ 3–4%)
Temperature Resistance (°C)	–20 to +100
Chemical Resistance	Moderate (resists alkalis, weak against strong acids)
Abrasion Resistance	High
Cost Rating	Medium
Typical Applications	General duty belts, mining, cement, steel, medium to heavy conveyors

3. Polyester (EP)

Field Name	Value / Rating
Fabric Type	Polyester (EP)
Tensile Strength (kN/m)	High (≈ 200–250)
Elongation at Break (%)	10–15%
Modulus / Elasticity	High (stiff, low stretch)
Impact Resistance	Medium
Moisture Absorption (%)	Very Low (≈ 0.5–1%)
Temperature Resistance (°C)	–20 to +120
Chemical Resistance	Good (resistant to most acids, alkalis, and moisture)
Abrasion Resistance	High
Cost Rating	Medium
Typical Applications	General duty belts, cement, steel, ports, long conveyors needing dimensional stability

4. Nylon–Polyester Hybrid (EP/NN)

Field Name	Value / Rating
Fabric Type	Nylon–Polyester Hybrid (EP/NN)
Tensile Strength (kN/m)	High (≈ 200–230)
Elongation at Break (%)	12–18%
Modulus / Elasticity	Medium–High (balanced stiffness and flexibility)
Impact Resistance	High
Moisture Absorption (%)	Low (≈ 2–3%)
Temperature Resistance (°C)	–20 to +110
Chemical Resistance	Good (resists alkalis, moderate acids, moisture stable)
Abrasion Resistance	High
Cost Rating	Medium
Typical Applications	Heavy duty conveyors, mining, ports, steel plants, where both flexibility and stability are needed

5. Kevlar / Aramid

Field Name	Value / Rating
Fabric Type	Kevlar / Aramid
Tensile Strength (kN/m)	Very High (≈ 300–350)
Elongation at Break (%)	3–5% (very low stretch)
Modulus / Elasticity	Very High (extremely stiff, minimal elongation)
Impact Resistance	Very High
Moisture Absorption (%)	Very Low (≈ 0.5–1%)
Temperature Resistance (°C)	−40 to +180
Chemical Resistance	Excellent (resistant to most acids, alkalis, hydrocarbons)
Abrasion Resistance	Very High
Cost Rating	High
Typical Applications	Heavy mining, steel plants, high-temperature conveyors, cut-resistant and impact-critical belts

6. Steel Cord

Field Name	Value / Rating
Fabric Type	Steel Cord
Tensile Strength (kN/m)	Very High (≈ 400–500)
Elongation at Break (%)	≤1% (extremely low stretch)
Modulus / Elasticity	Extremely High (rigid, no flex)
Impact Resistance	Very High
Moisture Absorption (%)	None
Temperature Resistance (°C)	−40 to +200
Chemical Resistance	Good (resists most chemicals, but vulnerable to corrosion if unprotected)
Abrasion Resistance	Very High
Cost Rating	High
Typical Applications	Long-distance conveyors, mining, ports, steel plants, heavy load and high-tension belts

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

OUR SERVICES

At Boston Rubbers, we provide high-quality conveyor belt solutions designed for efficiency and durability.

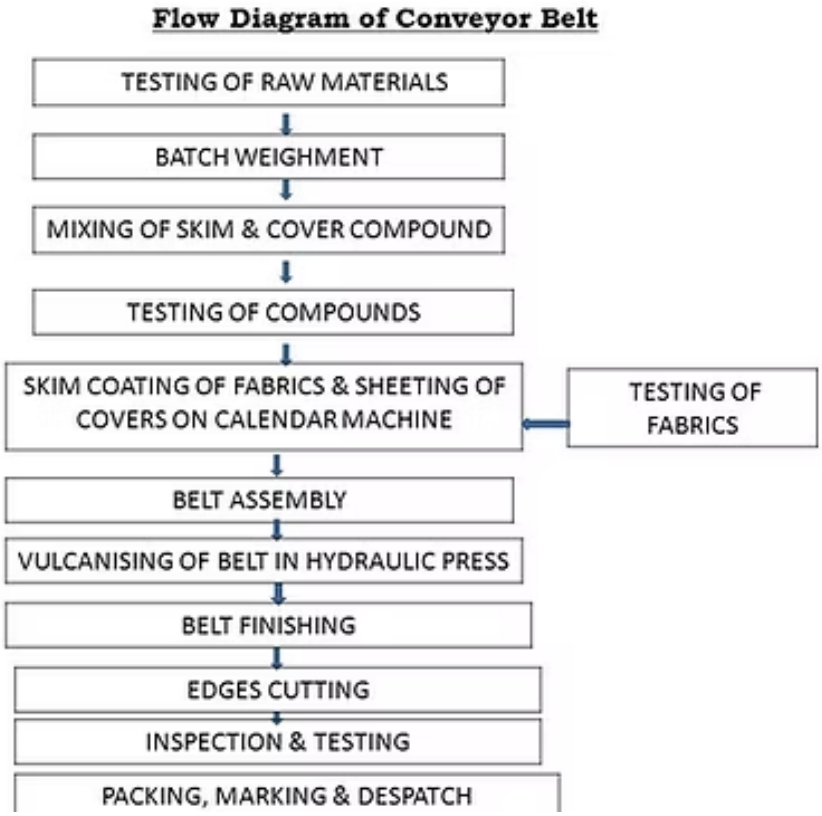
- **Conveyor Belt Manufacturing –** High-performance industrial belts built for tough conditions.
- **Custom Belt Solutions –** Tailor-made designs for specific industry needs.
- **Technical Consultation & Support –** Expert guidance to optimize belt selection and performance.
- **Installation & Maintenance –** Professional setup and maintenance to enhance longevity.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

MANUFACTURING PROCESS

At Boston Rubbers, we use high-quality raw materials and advanced technology to ensure seamless production and superior durability.

- **Precision Engineering –** Cutting-edge techniques for reliable performance.
- **Quality Inspections –** Strict testing to meet industry standards.
- **Customization –** Tailored solutions for specific client needs.
- **Efficiency & Innovation –** Optimized processes for consistency and durability.



BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

TESTING STANDARDS

At Boston Rubbers, we follow rigorous testing protocols to guarantee durability, efficiency, and safety in every conveyor belt.

- **Tensile Strength Testing –** Evaluates belt resistance under extreme tension.
- **Wear & Abrasion Testing –** Assesses longevity under industrial conditions.
- **Heat Tolerance Testing –** Ensures performance in high-temperature environments.
- **Material Composition Analysis –** Advanced lab testing for structural integrity.
- **Strict Quality Control –** Comprehensive checks for optimal reliability.

For conveyor rubber belt testing, we use **Universal Testing Machines** and **Ultrasonic Thickness Gauges** to measure strength, wear resistance, and material integrity.

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

OUR CLIENTS

Boston Rubbers supplies high-performance conveyor belts to industries where efficiency and durability are critical for seamless operations.

- **Food Processing –** Ensuring hygienic and efficient material handling.
- **Power & Energy Sector –** Supporting coal, biomass, and energy production.
- **Automotive & Assembly Lines –** Enhancing automation in manufacturing.
- **Recycling & Waste Management –** Facilitating eco-friendly material sorting.
- **Agriculture & Fertilizers –** Streamlining bulk material movement.
- **Steel & Cement –** Handling heavy-duty raw materials.
- **Mining & Quarrying –** Ensuring durability in extreme conditions.
- **Logistics & Warehousing –** Optimizing packaging and distribution.

पावरग्रिड

कॉनकॉर
CONCOR

JSW

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

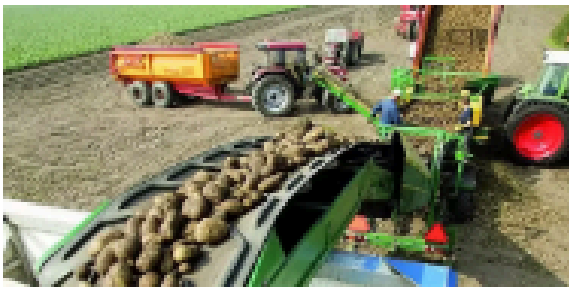
INDUSTRIES WE SERVE

Power Plants & Energy Sector

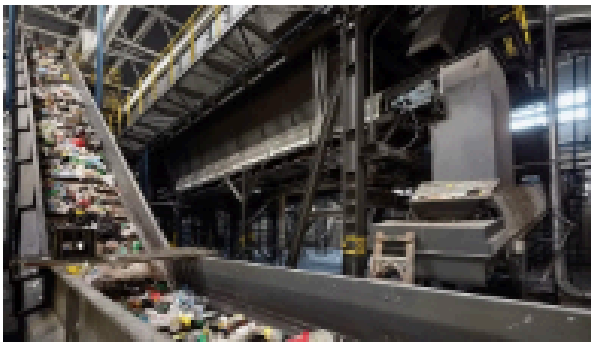
Food Processing

Automative & Assembly Lines

Agriculture & Fertiliser Industry



Recycle & Waste Management



Steel & Cement

Mining & Quarrying

Logistics & Warehousing

FREQUENTLY ASKED QUESTIONS (FAQS)

BOSTON®
POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

What does Boston Rubbers specialize in?
Manufacturing high-quality conveyor belts and rubber solutions for industries like mining, steel, cement, food processing, and logistics.

Are your conveyor belts compliant with industry standards?
Yes, our belts meet IS 1891(P) I-V and international quality regulations for durability and efficiency.

How do I maintain conveyor belts for long-term efficiency?
Regular inspection, tensioning, cleaning, and timely replacement prevent downtime and extend belt life.

What types of conveyor belts do you offer?
Textile-embedded, chevron, food-grade, heat-resistant, fire-resistant, rough-top, and transmission belts.

Do you offer customized conveyor belts?
Yes! Tailored dimensions, ply layers, cover thickness, and reinforcement materials for optimal efficiency.

Do you provide bulk orders and supply internationally?
Absolutely! We support bulk orders and global exports while maintaining strict product standards.

How do I choose the right conveyor belt for my industry?
Depends on material type, load capacity, incline angle, and durability needs—our experts can guide you.

What industries commonly use your products?
Mining, steel, cement, agriculture, logistics, recycling, packaging, and power plants.

How can I get a quote or inquire about a specific belt?
Contact us via website, phone, or email with specifications, and our team will assist with pricing.

BOSTON®

POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Contact Information

BOSTON RUBBERS

POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Mfrs. & Exporters: CONVEYER BELTS, BELTINGS, RUBBER SHEETS

info@bostonrubbers.com

+91 9216181222
+91 9815181222

www.bostonruber.com

63 SUNDER VIHAR, WARYANA INDUSTRIAL COMPLEX, LEATHER COMPLEX ROAD, WARYANA, JALANDHAR, PUNJAB 144002, INDIA