KRISHNA
BELTS PVT LTD
An ISO 9001:2015 certified company

World-Class Precision:
Riding the wave of smooth operations with our cutting-edge
Conveyor Belt Solutions

www.krishnabelts.com

COMPANY PROFILE

About us

Krishna Belts Pvt. Ltd. is one of the leading and upcoming conveyor belt manufacturing company in India, located admist the bottom hills of Madhya Pradesh and very near to Nagpur, centre of India. Krishna Belts Pvt. Ltd. is an ISO 9001:2015 certified company, successfully run by a team of highly skilled professionals & experts since last 16 years.

In-house testing laboratory is NABL accredited with ISO/IEC 17025 : 2017 standard.

The overall group has over 30 years of experience in material handling applications with multi dimensional activities in manufacturing & service sector.

We have earned national repute in jointing, reconditioning & repair of conveyorbelts. We have been manufacturing specialised rubber compounds for belts and many other products for almost all types of Industry with emphasis on Impact & Wear.

Our current activities include manufacturing of conveyor belts, belt jointing materials, rubber sheets, diamond pulley lagging sheet and reconditioning of steel & fabric type conveyor belts.

Vision

Krishna Belts aims to become one of the leading Conveyor Belt Manufacturers worldwide by setting standards in quality, timely release programmes & after sales service. We constantly strive to be a leader in our field through technological upgradation, improved work efficiency and continuous improvement of quality management system.

Mission

Respect the Customer:

We are committed to achieve total customer satisfaction by providing highest quality products, at an optimum cost and within stipulated time. All our belts conform to relevant Indian and International standards.

Respect the stakeholders:

We create value for all our stakeholders by continuously improving our system & process through innovation & employee involvement.

Respect the environment:

We are located admist the bottom hills of Madhya Pradesh. It is our constant endeavour to keep the surroundings green & eco-friendly.

Our USP

Our range of belts have gained widespread acceptance because of the following properties :

- Timely dispatch as per client's convenience
- Pre & Post stretched belts
- After Sales Service
- Belts related information & jointing team available on request
- Geographically centrally located

Infrastructure

Built on the land area of over 15000 sq. mtrs, we have all the facilities that are required for qualitative production. Equipped with advanced technical equipments, modern testing machines and latest technologies, we have reached global levels in manufacturing. We have incorporated modern production techniques in order to improve the performance of our products. Adding to our facilities, we have spacious warehouse wherein we store finished products in large quantities to meet with any kind of bulk order.

Our Customer Segment

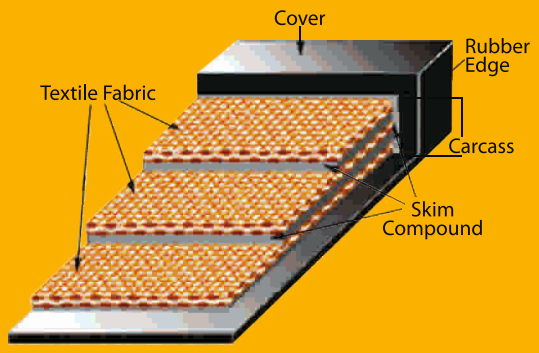
- Steel Sector
- Non Ferrous Sector
- Power Sector
- Cement Sector
- Coal Washeries
- Sugar Sector
- Fertilizer Sector
- Mining Sector
- Manganese Sector
- Ports
- Exports
- Crushing/Construction

Industrial Conveyor Belting

We manufacture conveyor belts for various Industrial applications with different Fabric Reinforcement types along with the most appropriate cover grades for application specific & extraordinary service conditions. We have gained expertise in offering various grades of belting to the customers that are made in compliance with the international quality standards. It can work in areas of bulk material handling from the lightest to the most difficult of the working conditions covering various industries. Textile conveyor belt consists of cover rubber & carcass made up of skim coated reinforcing fabric.

Belt Carcass :

It provides the body to a conveyor belt. It is the tension and strength bearing member consisting of different textile fabrics. The carcass is made of a number of plies bonded together with skim rubber compound specially designed to withstand rigors of application.
The skim coating on the plies are of a highly resilient rubber compound, which minimizes the possibility of ply separation and improves impact resistance to cope with all mechanical and thermal requirements.



Textile Fabric Reinforcement we offer as :

Polyester/Nylon66 (EP), Nylon6/Nylon6 (NN), Polyester/Polyester (EE) & Polyester/Nylon6 (EN).

Polyester Nylon (EP): EP 100, EP 125, EP 150, EP 200, EP 250, EP 300, EP 350, EP 400 & EP 500

Nylon Nylon (NN) : NN 100, NN 125, NN 160, NN 200, NN 250, NN 300, NN 350 & NN 400.

Special designed carcass belts are offered by KRISHNA BELTS for special application considerations viz Straight Warp fabric (EPP). **Straight warp (SW) Fabrics: Mono ply & Duo Ply (EPP)**

Breaker Ply:

Breaker ply can be laid over the top & bottom fabric plies as per the customer requirements, in case any additional protection is required to the carcass. This is recommended for severe service conditions thus providing a better bonding between the cover & carcass & to withstand impact forces during service.

Different Grades of Conveyor belts

General Purpose Belting:

It has high tensile strength, superior resistance to abrasion, cut & gouging. Used for transporting abrasive material. Suitable for transporting moderately abrasive materials like iron ore, coal, copper, limestone, lignite, sand, cement, wood chips & dry pulp etc.

Abrasion Resistant Belting:

It has low abrasion loss with good flex life and ageing properties along with high adhesion for handling high abrasive material. Suitable for transporting highly abrasive materials like iron ore, Lime stone, copper etc.

Heat Resistant Belting:

As per IS 1891 - part II
Heat Resistant (HR) GRADE:
SHR (T-1) GRADE:
Suitable for transporting hot materials (up to 125 degree centigrade for lump materials & 100 degree centigrade for fines). Suitable for Cold/Hot Joints.

SHR (T-2) GRADE:
Suitable for transporting hot materials (up to 150 degree centigrade for lump materials & 125 degree centigrade for fines). Suitable for Cold/ Hot Joints.

As per KBPL Standards:
UHR GRADE:
Suitable for transporting hot materials (from 160 - 200 degree centigrade and with occasional peak material temperature up to 220 degree centigrade). Special EPDM based rubber and can be vulcanised only by Hot Joints.

HR-T4 Grade:

Superior Heat Resistant Conveyor Belts (HR-T4) is suitable for transporting very hot materials Max. up to 400 degree C.

Fire Resistant Belting:

Fire resistant is used in coal & in the mines enveloped in fire. The rubber covers of these belt works as fire resistant & anti static. It is used in industries of coal, sulphur etc.

Tear Resistant & Rip protection Belts:

Used to protect belts from highest impact, rip and tear and prevents from premature failure caused by longitudinal through cuts.

Cut & Gouge Resistant Belting:

Specially used to protect belt cover from Cut and Gouge due to sharp materials.

Oil Resistant Belting:

Good resistance to oily material, vegetable & animal oils & fats. It helps in transportation of soya beans oil, fish oil, etc.

Oil & Heat Resistant Belting:

Good resistance to protect belt both from oil and heated material

Oil & Fire Resistant Belting :

Good resistance to protect belt both from oil & fire

Constructional Features

Width	Up to 1600mm
Ends	Open or Endless
Edges	Cut or moulded
Fabrics Plies	2 plies to 8 plies & more if required
Fabrics	Polyester/Nylon (EP), Nylon/Nylon (NN), Straight warp (EPP)
Carcass Construction	As per customer specifications
Cover Thickness	Upto12mm or as per requirement
Cover Grades	General Purpose – Covering all International standards
	Abrasion Resistance – Covering all International standards
	Heat Resistance- HR-T1 As per IS 1891 part-II
	Heat Resistance- HR-T2, As per IS 1891 part-II
	Ultra Heat Resistance – UHR / HR-T3, HR-T4, As per KBPL standards
	Fire Resistance - Covering all International standards of over ground applications
	Oil Resistance
	Oil & Heat Resistance
	Oil & Fire Resistance
	Cut & Gouge Resistance
	Low Rolling Resistance

Special Features

- Unique Carcass Design
- Enhanced Longitudinal & Transverse flexibility.
- Exceptional Impact Resistance.
- Enhanced Joint efficiency & improved life.
- Smooth and trouble free service.
- Higher carrying capacity & low conveyor belt weight.
- Excellent adhesion levels.
- Higher tensile strength.
- Universal applications
- Pre & post stretched belt
- Cold & Hot splice proven
- Resistance to environmental operating condition
- Improved resistance to mechanical damages
- Improved resistance to ozone & ultra violet radiations
- Higher ply strength
- Circular & Eliptical packing

Pipe Conveyor Belts

Pipe conveyor belt is recent upcoming and advanced way of bulk material handling and transportation method in an enclosed material transfer principal. To maintain a clean environment pipe conveyor belts is widely being used in recent days.

THE BASIC PRINCIPELS :

1. The Pipe Conveyor is loaded like a conventional conveyor.

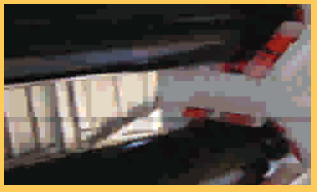
2. The material moves within the tubular profile towards the discharge OR intermediate loading point.

3. When the material reaches its final destination the pipe opens up for discharging.

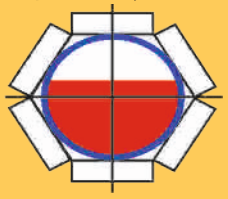
ADVANTAGES :

KBPL make Textile reinforced Pipe Conveyor Belts are with specially designed fabric and bottom cover with less rolling resistance with idlers. KBPL offers Textile Pipe Conveyor Belts in different cover grades; M24 / SAR / UHR / Oil + FR / HR / Oil + Chemical resistance etc.

Conventionally troughed belt



Pipe conveyor belt



- Protect environment against hazards of pollution
- Protects carrying material from rain, dust and wind
- Eliminate wastage & splillage in a greater extent
- Reduce transfer points
- Can negotiate vertical & horizental curves with sharp radii
- Reduce structural cost by eliminating canopy on top of the structure.

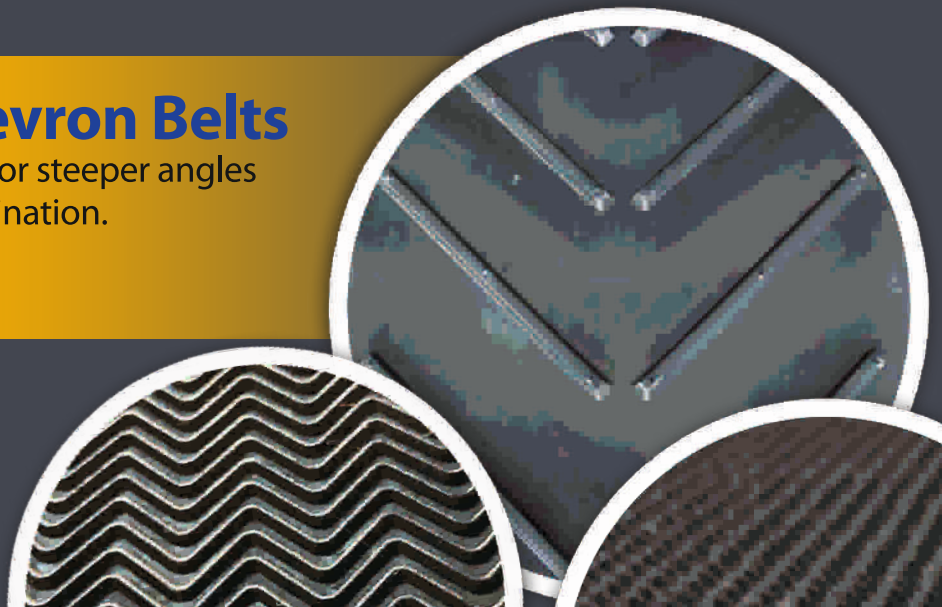
NOTE: Reconditioning & Repairs of Pipe Conveyor Belts is very much viable and a cost saving option in the present scenario. Normally the edges get damaged and we can bring back the old and used Belt back to the new condition. KBPL carries out this entire process in our press which manufactures new belts.

Speciality Belts

KBPL make some more special kind of belts for different application sector and offer in the market as per customer specific requirements.

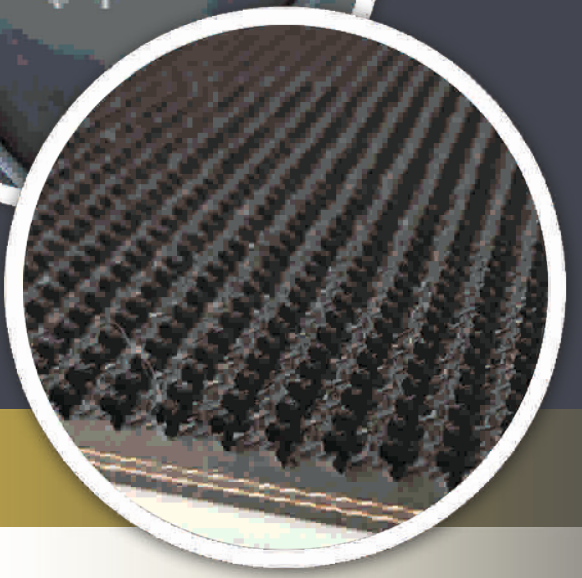
Chevron Belts

Used for steeper angles of inclination.



Wavy Top Belts

Used on wagon loading station of cement or other materials packed in paper or plastic woven sack bags.



Rough Top Belts

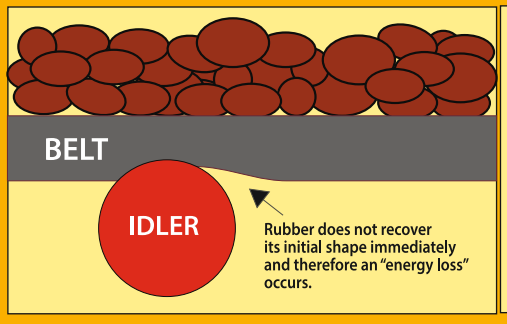
Used for material carrying for need high friction between belt surface & material as cements/fertilizers bags.

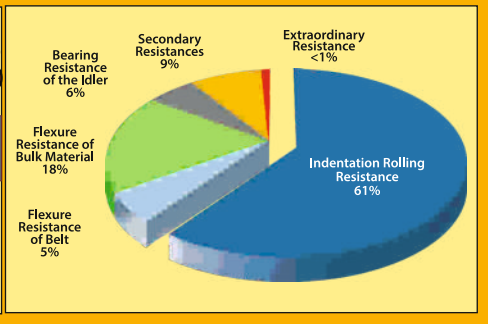
Energy Optimised Belt (LRR)

In today's life, energy saving and for better socio-economic life for future generation, preservation of power is the mandatory need of society. Keeping in mind, Krishna Belts offers Energy Optimised Belt (EOB) to customer for the power savings in running conveyor belt operation. It is also commonly known as Low Rolling Resistant (LRR) belts as well.

Causes of Energy losses during Conveyor application:

It is clear, that 61% of the entire resistance in the systems is due to indentation rolling resistance. This value is influenced significantly by the condition and quality of the belt.

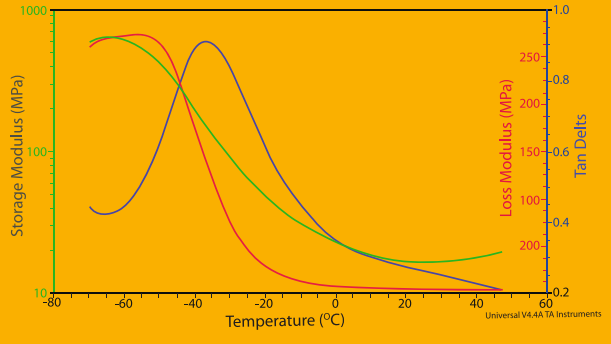




What is EOB? **A belt which consumes less energy during operation w.r.t. standard belts**

A complete energy saving of 15 % can be reached, if a concerted optimization of belt conveyor systems regarding their energy demand, for example in using e nergy saving belt s and s mooth-running idlers, is put in to practice. The special visco-elastic back cover properties minimize loss of PE from the point the belt touches the idler to the point it leaves the idler. The higher residual PE is converted to KE and thus demands less power from drive to maintain belt speed. In actual applications, power savings of up to 15-20 % is targeted.

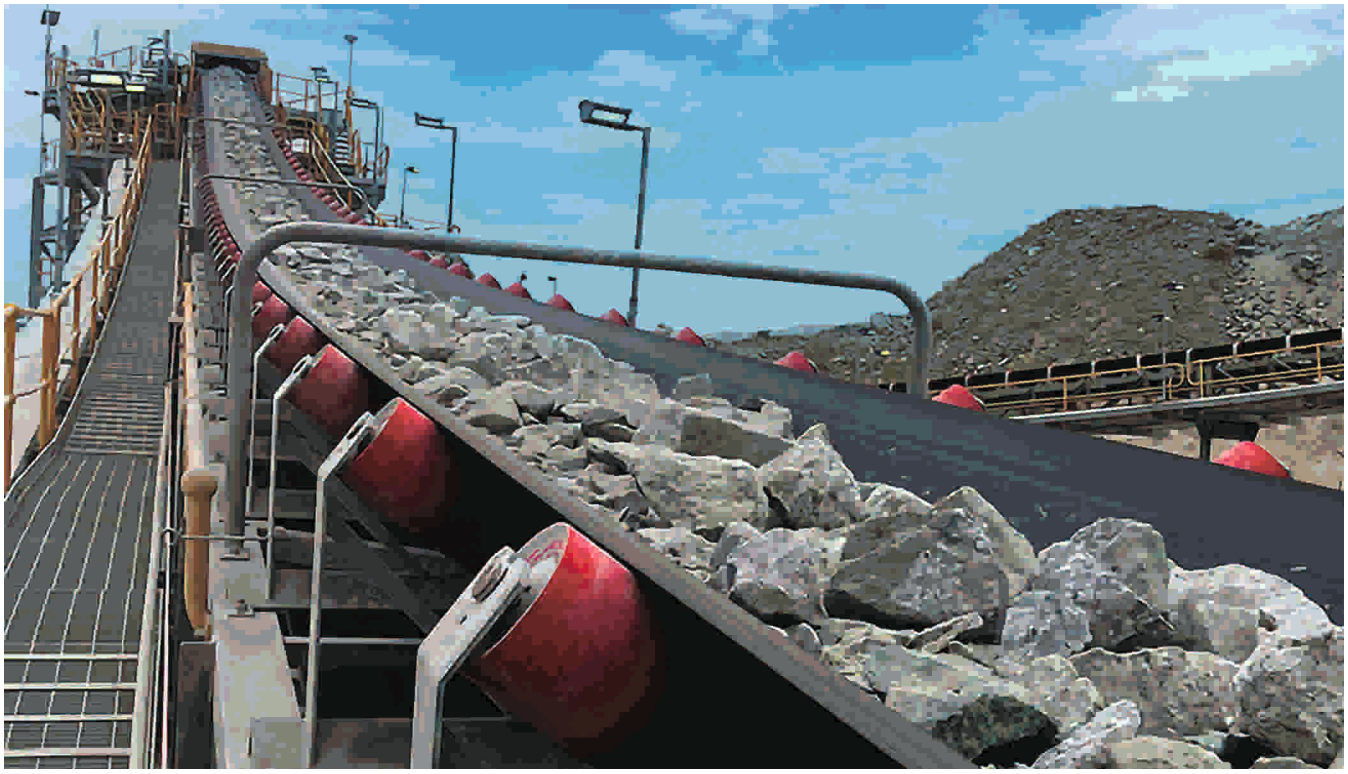
Testing of Material:



Dynamic Mechanical Analysis

- Sinusoidal excitation
- Shear or tensile strain
- Linear for low amplitudes
- Frequency 1 / 10 / 100 Hz
- **Output:**
  G' (or E') storage modulus
  G" (or E") loss modulus
  tan δ = E" / E' loss factor
  RRF = E" / $(E')^{4/3}$ Rolling Resistance Factor

Cut & Gouge Resistant Belt



In some critical conveyor installations, there are cases where the normal expected belt life significantly deteriorates due to premature failure and/or lower belt service life, caused due to higher impact of material on to the belt surfaces resulting faster wearing out of top cover rubber as well as cut and tear of top cover rubber.

Failures are catastrophic and impose heavy financial losses due to stop page of production and downtime.

For such applications demanding the highest impact, cut and tear resistance, KBPL recommends CUT & GOUGE-SUPERABRASION RESTSTANT GRADEBELTS to avoid faster cut and tear as well as to prevent from faster wearing out of top cover rubber.

BENEFITS

- High resistance to extreme impact loads.
- High Cut & tear resistance.
- Minimum Volume loss of top cover rubber.

Superior Ultra Heat Resistant Belt – HR-T4

1. Introduction

Superior Heat resistant conveyor belts (HR-T4) is suitable for transporting materials with 70°C to 400°C temperature, such as sinter, coke, cement clinker, alumina ore, Bauxite and other industries in metallurgy and building materials.

2. Features

- Transport materials with temperature less than 400°C
- Wear resistance
- Heat resistance and ozone resistance without cracks
- Long-distance transportation
- Long service life

3. Application

Makets	Cement Plants	Steel Works	Metallurgy
Materials	Cement clinker	Iron ore pelletizing Casting, Sinter Hot slag, Calcined lime Coke	Bauxite Alumina Ore Hot metal

4.Cover Properties

Cover Grade	Temperature Range	Abrasion Resistance (DIN)	Applications
HR-T4	-20 to 400^{0}C for lumps -20 to 250^{0}C for fines	≤175mm	Sinter, Coke Cement clinker

Belt Jointing Materials

We are the reputed manufacturers & suppliers of different types of belt joining materials. These joining solutions are made from premium quality materials and are known for superior adhesion strength, durability & stability in different environmental conditions. Moreover, we have a team of quality auditors to check the quality of the products.

S.N.	Description	Code	Packing	Unit
1A	Cold Solution with hardener - 56gm Bottle	KR-101	5 Litres	Tins
1B	Cold Solution with hardener - 56gm Bottle	KR-101	1 Litres	Tins
1C	Cold Solution with hardener for HR grade (upto 125 degree C) - 56gm Bottle	KR-102	5 Litres	Tins
1D	Cold Solution with hardener for HR grade (upto 125 degree C) - 56gm Bottle	KR-102	1 Litres	Tins
2A	Hot Solution, Grade - M24, Fabric Belt	KR-201	5 Litres	Tins
2B	Hot Solution, Grade -HR(100°C to 120°C)	KR-202	5 Litres	Tins
2C	Hot Solution, Grade -SHR T-1(12S°C to 1S0°C)	KR-203	5 Litres	Tins
2D	Hot Solution, Grade -SHR T-2(1S0°C to 180°C)	KR-204	5 Litres	Tins
2E	Hot Solution, Grade -UHR T-3(160°C to 200°C)	KR-20S	5 Litres	Tins
3A	Hot Solution, Steel Cord Belt	KR-301	5 Litres	Tins
4A	Insulation Compound, Grade-M24, Fabric Belt	KR-401	1.5 Kg	Roll
4B	Insulation Compound, Grade -HR(80°C to 120°C)	KR-402	1.5 Kg	Roll
4C	Insulation Compound, Grade -SHR T-1(120°C to 1S0°C)	KR-403	1.5 Kg	Roll
4D	Insulation Compound, Grade -SHR T-2(1S0°C to 180°C)	KR-404	1.5 Kg	Roll
4E	Insulation Compound, Grade -UHR T-3(180°C to 2S0°C)	KR-40S	1.5 Kg	Roll
4F	Insulation Compound (Tie Gum), Steel Cord Belt	KR-406	1.5 Kg	Roll
5A	Cover Compound, Grade-M24, Fabric Belt	KR-5OI	1.5 Kg	Roll
5B	Cover Compound, Grade -HR(80°C to 120°C)	KR-502	1.5 Kg	Roll
5C	Cover Compound, Grade -SHR T-1(120°C to 1S0°C)	KR-503	1.5 Kg	Roll
5D	Cover Compound, Grade -SHR T-2(1S0°C to 180°C)	KR-504	1.5 Kg	Roll
5E	Cover Compound, Grade -UHR T-3(180°C to 2S0°C)	KR-5O5	1.5 Kg	Roll
5F	Cover Compound, Steel Cord Belt	KR-506	1.5 Kg	Roll

Cold Vulcanising Solution
Rubber based adhesive to bond:
Rubber to Rubber | Rubber to Metal | Rubber to Wood

Reduced toxicity with lower health risks Applications:
Belt Splicing | Rubber Lining | Pulley Lagging

Hot Vulcanising Solution :

Krishna Hot Solution is formulated as a liquid vulcanising agent suitable for rubber bonding purposes. Special agents are added to enhance bond strength & improve ozone resistance. It is suitable in a press or autoclave bonding application & in general rubber moulding.

Applications: Pulley Lagging | Rubber Lining | Hot Rubber Bonding

Insulation & cover compound:

Our insulation & cover compound provide the ultimate protection for the belt carcass to reduce the cost-per-ton conveyed & reduces the maintenance cost. Backed by extensive research & testing facilities, we have cover compounds to meet customer requirements.

Hardness : 45 to 75 Degree Shore A

Thickness : 3 mm to 25 mm

Width : 100 mm to 1500 mm

Krishna Rubber Sheet

A wide range of rubber sheets are being manufactured to suit the varied applications of the Industry. These sheets are compounded to resist impact, tear and abrasion as per specific needs. They have wide range of applications especially in pulley lagging sheets, gaskets, tank linings and screens. Plain and diamond grooved pulley lagging sheets are manufactured with high quality standards. They possess good resistance to acids, alkalis and salts.

Reconditioning & repairing of fabric & steel cord belts

Conveyor belts are put out of use because of the following reasons.

Full life running | Longitudinal Through Cuts | Edge damage | Patch failure

Types of Repair:

Reconditioning –

The worn out top & bottom covers are put back to the desired thickness. Edge & Patch Repairs, if any are also attended.

Longitudinal Cut Repairs –

Belts which are longitudinally cut in two or more pieces due to foreign objects are brought back to the original width & strength by hot vulcanizing. Additional Belts for substitution at the cut area are provided by the customer.

Economics of Repair & Reconditioning:

It is highly techno-economically viable to undertake through cut repairs and/or reconditioning of the damaged conveyor belts. A new lease of life can achieved from the belts after investing about 40 -50 % cost, without sacrificing the reliability.

In fact in some cases, the life obtained from the reconditioned belt has been much more than that obtained from the original belt.

Reliability:

The repair & reconditioning works are undertaken by equipment's & facilities used for new belt manufacturing. All the parameters such as adhesion strength, cover grade & its properties, etc are similar to that of new belts. In fact in some cases, the cover grades can be suitably modified to attain higher life than that obtained by new belts.

Quality Policy

- We are committed to achieve total customer satisfaction through production and supply of highest quality products, meeting customer requirements at an optimum cost within the stipulated time.
- We are committed to create value for all our stakeholders by continuously improving our system and processes through innovation and involving all our employees.
- We shall constantly strive to be leader in our field through technological upgradation, improved work efficiency and reduction in operating cost by effective implementation and continual improvement of the quality management system.

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that

KRISHNA BELTS PRIVATE LIMITED
Village Satnoor P.O. Paradsingha, Tehsil - Sausar
Distt. Chhindwara Madhya Pradesh – 480 108, India

has implemented Quality Management System
in accordance with ISO 9001:2015
for the scope of

Manufacturing and Supply of Conveyor Belts,
Belts Joining Material, Lagging sheets and Repairing of Damaged Belts.

The certificate is valid from 2023-04-18 until 2026-04-17
Subject to successful completion of annual periodic audits

Certificate Registration No. 99 100 17578
Date of Initial certification: 2017-04-18
Issue Date: 2023-03-02 Rev. 00

Rahul Kale
Head of Certification Body
of TÜV SÜD South Asia Private Limited
Mumbai
Member of TÜV SÜD Group

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

ISO Certification

National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

TESTING LABORATORY, KRISHNA BELTS PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

VILLAGE - KHAPA KARIMWAR (SATNOOR), P.O. - PARADSINGA, TEHSIL - SAUSAR, CHHINDWARA, MADHYA PRADESH, INDIA

in the field of

TESTING

Certificate Number: TC-15887

Issue Date: 13/04/2025 Valid Until: 12/04/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: KRISHNA BELTS PRIVATE LIMITED

Signed for and on behalf of NABL

Anita Rani
Director

N. Venkateswaran
Chief Executive Officer

NABL Accreditation

One-Stop Shop for Entire Conveyor Belt Ranges

Krishna Belts Pvt. Ltd. recently become a one stop shop for the supply of entire range & size of all types of Conveyor Belts by aligning with one of the global leaders in Conveyor Belts manufacture, M/S WUXI BOTON.

KBPL is authorised distributor as a sole selling in India of BOTON make belt.

This collaboration allows KBPL to supply Steel Cord Belts across all ranges up to 2400mm width, and Textile Belts up to 2400mm in width including superior ultra heat resistant, HR-T4 belts. With this, Krishna Belts has become a one-stop solution provider to our customers.

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BOTON

KRISHNA BELTS PVT LTD

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FACTORY :

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