

SUPERIOR QUALITY CONVEYOR BELTING FOR HIGH PERFORMANCE

RAJAN



RUBBERS



Conveyor Belts • Transmission Belts • Rubber Sheeting • Rubber Hoses

RAJAN RUBBERS

(MANUFACTURERS OF HIGH CLASS RUBBER CONVEYOR BELTINGS, TRANSMISSION RUBBER BELTING,
AND FLAT BELTINGS).

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About us

Setting a foresight

We RAJAN RUBBERS are manufactures with a modern concept. We have made RR capable to cater the diverse & varied need of our esteemed customers.

As the name goes RAJAN RUBBERS - A Hi Tech supermarket with a difference, we have established this setup to fulfill the Conveyor related requirement of our customers under one roof only, be it Material, Market or Men.

So your need not contact-separate experts for separate problems and issue since RR is fully equipped to tackle these as per your needs and satisfaction, with qualified professionals and experts of the field doing the jobs for you.

In the following few lines we will try to explain the activities which we carry at RR for your vision appreciations & decision making. As said earlier our activities cover Material, Market and Men

Serving Industries

- Stone Quarries
- Metal Cturnstal
- Coir industries
- Paper Mills
- Tea Estates
- Coal Mining
- Steel Industries
- Power Plants
- Ports
- Cement Industries
- Chemical Industries
- Food Industries
- Packing Industries
- Special Purpose Industries / Special purpose Machines
- Other Material Handling Equipments



Characteristics of Conveyor Belts

Nylon/Nylon (NN) Carcass

- Lower longitudinal elongation
- Higher tensile strength
- Good Flexibility and troughability
- Good resistance to mildew, moisture and rotting
- Good resistance to edge wear
- Excellent impact resistance
- Unaffected by alkalies and weak acids
- Suitable for conveying material over long distances

Cotton / Nylon (CN) Carcass

- Good troughability
- Better mechanical fastener holding properties
- Improved resistance to impact damage
- Lighter in weight
- Resistance to longitudinal tearing and damage due to edge turn up

Polyester / Nylon (EP) Carcass

Besides having the advantages as listed for NN carcass belts EP belts have the additional advantage of lower longitudinal elongation and very high modulus

Quality Standards

RAJAN RUBBERS supplies as per all relevant Indian and International Standards.

- Bureau of Indian standards - BIS
- International Standard Organisation - ISO
- British Standards - BS
- German Standards - DIN
- Canadian Standards-CAN/CSA

Grade M24 Conveyor Belts

Grade M24 rubber Conveyor belts application characteristics are high tensile strength in abrasion & cut resistance and transporting highly abrasive materials.

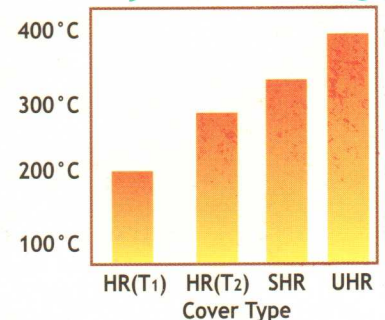
Most suitable for

- Stone quarries
- Metal crushers
- Paper mills
- Concrete mixing plants
- Fly ash machines
- Brick making machines
- Material handling machines



Heat Resistant Conveyor Belts Ranges

Material temperature



Heat Fire Resistant Grade Conveyor Belts

Heat and Fire Resistant Grade RAJAN RUBBERS are exclusively made for

- Foundries
- Thermal Plants
- Underground Mines

Please consult us for your special grades for heat resistant belts or for your any other specific requirements

SHR UHR

Transmission Belts

Transmission Belts are manufactured from evenly laid plies of closely woven hard/soft cotton duck impregnated with special rubber compound. The fabric plies are pre-stretched & vulcanized under high pressure to provide strength and flexibility. Constructional Features : *Width -25mm to 1800mm *Length-100 mtr Roll length *Fabrics-Hard cotton ducks/soft cotton ducks/synthetic fabrics * Plies-2 plies to 12 plies *Type of edges-Cut edges and round/folded edges *Colours-Beige, Grey, Camel, Yellow, Black and other colours as per customer requirement. RR Transmission Belts conform to all relevant Indian/ International Standards i.e. *Research & Design Standards Organisation (RDSO) EL/TL/44/1986 *Bureau of Indian Standards (BIS) IS 1370-1993 *National/International customers/individual specifications.

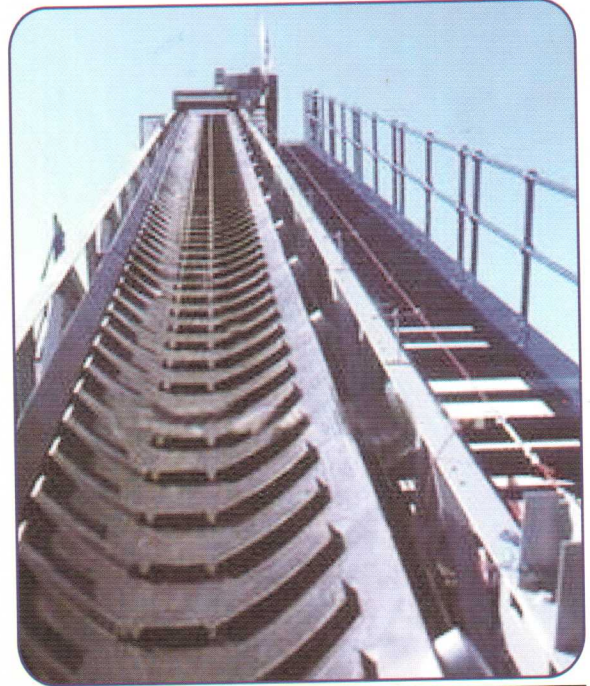
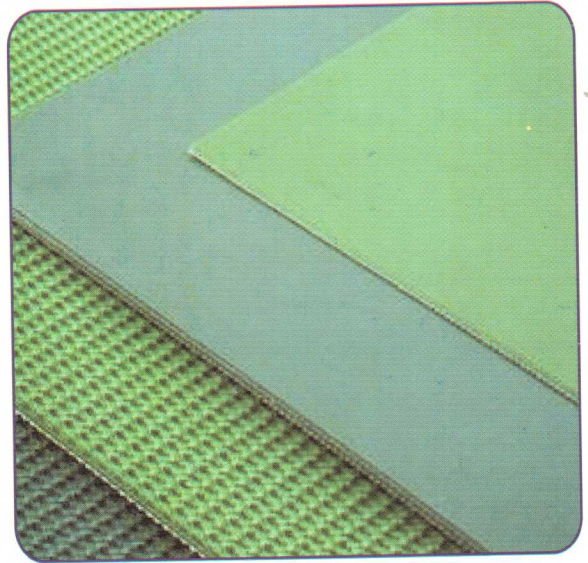
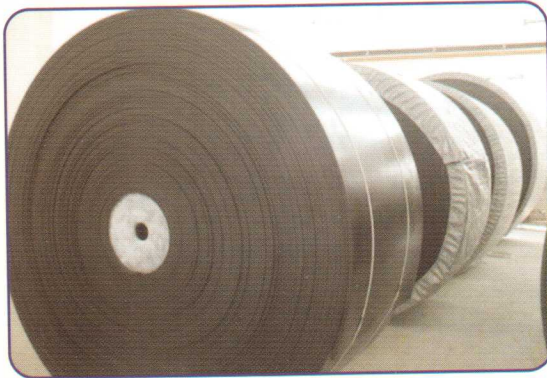
Rubber Hoses

Rare available in all the ranges & size for steam, Air & Hydraulic applications.

These hoses are available with rayon, nylon & Steel brading. The Hoses are of best quality and have very long service life.

Ready Stock Conveyor

Your production can stop by any damage on your belts. In conclusion you may have deficit and may have problems with your customers. We have special team to provide conveyor belts, on time for whose requirement is urgent to gear their production just in time. So we prepare the belts right after receiving the order whether it is open ended or we prepare endless belts in minimum hours and we provide urgent conveyor belts to your firm. We recover so many problems caused by delayed deliveries of conveyor belts. so you don't wait the production duration by us unlike the others.



Range of Rubber Sheets

Hardness	30 to 80 Shore A
Thickness	Upto 50 mm
Width	Upto 1800 mm
Colours	As per customer requirements
Grades	<ul style="list-style-type: none"> • Super abrasion Resistant, • Moderate Abrasion Resistant • General Purpose • Heat Resistant • Oil Resistant & Weather Resistant
Polymers Used	• Natural Rubber • SBR • EPDM • Nitrile • Neoprene • CPE

Selection Chart for Rubber Cover Grades

Types of Rubber Cover Grades	Standard	Cover Type	Cover Grade	Before Aging		Maximum Abrasion Loss (mm) ³
				Tensile Strength MPa	Elongation% (max)	
This grade is recommended for conveying, heavy, sharp highly abrasive materials like metallic ores, granite, lime stone, coal blast furnace slag & clinker etc.	IS 1891 (Part-I)	General Purpose	M-24	24.0	450	150
Recommended for conveying less severe and moderately abrasive material like sized coal, ash, chalk, bauxite etc.	IS 1891 (Part-I)	General Purpose	N-17	17.0	400	200
Composed of synthetic rubber mainly, this grade is suitable for arduous application as M-24 and has similar wear resistant properties.	IS 1891 (Part-I)	General Purpose	N-17 synthetic	17.0	400	150
This grade is recommended for conveying hot material & is suitable for fines upto 100°C and coarse material upto 125°C	IS 1891 (Part II)	Heat resistant	HR T ₁	12.5	350	200
This grade is recommended for conveying hot material & is suitable for fines upto 125°C and coarse material upto 150°	IS1891(Part-II)	Heat resistant	HR T ₂	12.5	350	250
Specially Blended with a compound of EPDM & chlorobuty, this grade is recommended for application where material temperatures are beyond 150°C to 200°C	buyer's Standard	Super Heat resistant	4 HR	12.5	100	200
Having fire resistant and antistatic properties, this grade is recommended for use where a fire hazard exist eg. thermalplants, underground mines.	IS 1891 (Part-V)	Fire resistant	FR	17.0	350	200
Composed of synthetic rubber compound. This grade is resistant to mineral, vegetable, animal oil and fats.	IS 1891 (Part-III)	Oil resistant	OR	12.0	250	200
This cover grade is specially designed with nontoxic rubber compounds for use in food processing and pharmaceutical industry	IS 1891 (Part - IV)	Hygienic	hygienic	10.0	350	200
This specially designed grade of conveyor belting to with stand the chemical and abrasive action of material like potash, urea etc. It also overcomes the problem of "Reverse Throughing" faced in conveying such material on belting with cover grades.	R.R STANDARD IS 1891 (Part-I)	Chemical resistant	CMR	24.0	450	150

Range of Conveyor Belts

Rajan Rubber supplies of rubber Conveyou Belts in India. Industrial conveyor belts contitute nylon/nylon (NN), polyester/nylon (EP) cotton/nylon (CN), cotton/cotton (CC). It has carcass with straight ply, stepped ply, reverse stepped ply, breaker ply and "edge-lock" where required. The above constructions, with a wide range of protective rubber covers, are manufactured in widths up to 1800 mm in a most modern automated plant, using the finest raw material input.

Rajan Rubbers Beltings Range	
Width	Upto 1800mm
Length	Open or endless upto 350 mtrs in single length with cut edge or moulded edge
Fabric Piles	2 piles to 8 piles in Polyester / Nylon (EP), Nylon/Nylon (NH), Coton/Nylon (CN) or Cotton/Cotton (CC)
cover Grades	M-24, N-17, HR, SHR, UHR, OR, Hygienic, CMR & FR.
Cover Thickness	As per Customer Specification