

JONSON

Insight

*India's Largest Conveyor
Solutions Provider*

India's Largest Conveyor Solution Provider



INTRODUCTION

A journey in which young independent India is now recognized for its human and technological process. From a desire to achieve self reliance in products, technology and services, the Jonson brand is now visible in every corner of the world.

Like India, JONSON has evolved with time into a Customer focussed and Globally competitive manufacturer. We have been a leading innovator in the advancement of compound, reinforcement and belt monitoring technologies. Today with our global associations our in house capabilities our endeavour to become a One Stop Solution for Clients has become a reality.

JONSON today offers clients the entire spectrum of requirements from Product, Support and Allied Services. Jonson is a true One-Stop Belt Shop providing services and solutions to help process and convey an extraordinary range of products. Our success is based on our close cooperation with customers and the control we have over the full value chain – design, manufacturing, fabrication, sales and you can find all the belting products and services you need from Jonson Rubber, saving you time and money on purchasing and logistics. Purchasing and logistics, we can offer you the right solutions.

The underlying strength in our progress has been resilience and flexibility – much akin to the rubber we mould. With the spirit of enterprise and innovation and our proud lineage we aim to build a sustainable legacy which upholds the superiority of its product and preserves its commitment to provide conveyor belts with unparalleled prices and quality.

RUBBER CONVEYOR BELTS

GENERAL PURPOSE CONVEYOR BELTS

Special features

- Unique Carcass Construction
- Superior Adhesion Levels
- Improved Flex Life
- Low Belt Stretch
- Excellent Impact Resistance
- Improved Resistance to Mechanical Damage
- Mildew, Moisture & Rot Resistance
- Improved Resistance to Ozone and Ultra Violet Radiation
- Improved Efficiency of Joints
- Improved Tear Resistance & Excellent Troughability
- Suitable for all Applications

Available Grades

GENERAL LIGHT DUTY SERVICE

Common References : DIN – Z

very economical for Moderately abrasive / small size material

MEDIUM ABRASION RESISTANCE

Common References : DIN - Y, N, RMA2, BS - N 17, AS – N & JIS – G

Recommended for moderate abrasion resistance applications, mostly above ground. Regularly used for transportation of Coal, crushed ores, limestone, bauxite, sand, cements etc.

HIGH ABRASION RESISTANCE

Common References : DIN - X, M, RMA 1, BS – M24, AS – M, JIS – S

Excellent abrasion resistance against cutting, gouging, heavy impact, during transportation of heavy rocks, sharp stones and highly abrasive materials.



WIDTH	→	Upto 2400mm
LENGTH	→	As per requirement
ENDS	→	Open or Endless
EDGES	→	Cut or Moulded / Protected
FABRIC PILES	→	2 to 10 in Polyester/Nylon (EP), Nylon/Nylon (NH), Cotton/Nylon (CN) or Cotton/Cotton (CC)
CARCAS CONSTRUCTION	→	Straight Ply / Stepped Ply / Reverse Stepped Ply
COVER THICKNESS	→	As per Customer Specification
COVER GRADES	→	M-24, N-17, HR, SHR, OR, Hygienic & FR
CHEVRON COVERS	→	Rough/Pimpled, V/C Cleats

Super Abrasion Resistance

- Common References : DIN – W
- Recommended in extremely abrasive applications such as Copper & gold ore, sinter, coke. It provides high resistance without increasing cover thickness and weight of the belt. Oil Resistant (OR) & Moderately Oil Resistant (MOR)
- Specifically used for transportation of specific materials with high / moderate concentration of animal or vegetable fats. The special compound used in the covers, avoids damage / swelling of belt also during transportation of material with pine oil, wood oil, olive oil, petroleum etc.

FIRE RESISTANCE CONVEYOR BELTS

In order to cater to varying levels of fire resistance in line with various domestic and international standards, Jonson has developed range of fire resistant belts which we promote as Jonson Fire Resistant (JFR). This range includes belts suited for underground use and specialized belts with low smoke and toxicity.

Fire Resistant belts commonly used in handling coal over ground in coal mines, thermal power plants and in underground coal mines. Fire Resistant belts are similarly used for conveying other materials which are prone to ignition during use.

Cover Type	Standard & Grade	Minimum Tensile Strength(Mpa)	Minimum Elongation at Break(%)	Minimum Abrasion Loss (mm ³)	Application Characteristics	Reference Material
J-FR1	SANS-F ISO-340 DIN K #DIN S	17 17 17 17	350 350 350 350	180 180 180 180	Excellent resistance to flame propagation and has very low burning rate.	Materials with Fire Hazards
J-FR2	AS-F CAN/CSA- C IS-FR MSHA-FR	14 17 17 17	300 350 350 350	200 200 200 200	Good resistance to flame propagation and has very low burning rate.	eg.Coal
J-FR3	FR(UG) FR(SAR) FR(OR) FR(HR)	12 15 15 15	350 450 400 450	100 65 200 200	Oil Swell in Fuel B 70% Max Heat Resistance upto 150oC	Varied applications

Product Characteristics

Common widths	→ 500 mm to 2400 mm
Carcass Variety Available	→ EP/NN/PP
Common Belt Rating	→ 200 to 2500 KN/M
No. Of Plies	→ 2 ply to 6 ply
Rubber Cover Grades	→ Refer table
Rubber Cover thickness	→ Minimum 1.0 mm to 20 mm
Rubber	→ Black
Surface Finish	→ Smooth both sides
Edge	→ Cut Edge or Molded Edge
Splicing Method	→ Hot splice joint / Mechanical splice
Packing Available in	→ Cassette / Single Roll
Belt Identification	→ Unique product identification number (PIN) at every 10m

Advantages

- Reduces the risk of fire hazard and potential loss to human life, material and installation.
- Fire resistant belts are Anti-Static.
- Easy to splice or require using standard materials.

HEAT RESISTANCE CONVEYOR BELTS

Jonson heat resistant conveyor belts have been developed and refined over many years so that they are more than capable of meeting the demands of even the most extreme conditions, which in some cases can involve temperatures as high as 400°C. High temperatures of conveying material can do serious damage to the conveyor belt carcass itself damaged.

Cover Type	Cover Grade	Tensile Strength	Elongation at break	Abrasion Loss	General Application	Ref. Standards
Heat Resistance	HR	125	350	250	Suitable for Transporting hot material (upto 125 C for coarse & 100 C for fine material)	As per International Standards & BIS-1891 (Part 11)
	SHR (T1)	125	350	250	Suitable for Transporting hot material (upto 150 C for coarse & 125 C for fine material)	
	SHR (T2)	125	350	250	Suitable for Transporting hot material (upto 180 C for coarse & 150 C for fine material)	
	UHR (T1)	100	300	250	Suitable for Transporting hot material (upto 250 C for coarse & 200 C for fine material)	
	UHR (T2)	100	300	250	Suitable for Transporting hot material (upto 350 C for coarse & 300 C for fine material)	
UHR(T3)	FOR UHR(T3) PLEASE CONTACT THE COMPANY					

OIL RESISTANT CONVEYOR BELTS

As per generic condition, oils and greases have a very destructive impact on rubber, however, materials that contain oil or grease are daily conveyed. In order to protect rubber components in the conveyor belts from swelling, types of rubber that are resistant to oil and grease should be applied. Since not all oil and grease types are equally aggressive, the engineers at JONSON have developed different types of belts to meet all the requirements.

Oil and grease resistant conveyor belts are suitable for:-

- Concrete plants
- Recycling and mineral processing plants, waste sorting and compost machines
- Improved Flex Life
- Metal processing industry, scrap recycling
- Timber industry and sawmills
- Excreta and sewage sludge conveying
- Corn, Grape and soilages conveying
- Paper industry



HYGIENIC / FOOD GRADE CONVEYOR BELTS

JONSON offer a wide range of Rubber, Nitrile, PVC, PE conveyor belts. We will solve your food-grade conveyor belting challenges across baking and food processing applications including special profiles for dough handling, belts that are grease and oil resistant, and non-stick cut-and-gouge resistant FDA/USDA belts.

Advantages

- No modules, links, hinges or crevices that harbor bacteria and deposit fragments into the food
- No seams or plies that fray and delaminate; no detachment of flights and guides common plied belts
- Easily cleaned in place in very short time
- Reduced cleaning costs (labour, water, chemicals, wastewater treatment) and downtime
- Reduced loss of food
- Consistent hygiene level over time
- Lower bacteria counts, cleaner product, less investment in conforming to standards, longer product shelf life; suited to HACCP

Grades and benefits of our food grade products

JONSON FOOD GRADE : MAXFLEXX - PRIME

- Moisture Resistant
- Boiling Water resistant
- Oil Resistant
- Heat Resistant up to 125°C
- Chemical Resistant
- Anti-Static
- No Ply Separation
- No Elongation
- Energy Efficient

JONSON FOOD GRADE : MAXFLEXX - SUPERIOR

- Moisture Resistant
- Boiling Water resistant
- Oil Resistant
- Heat Resistant up to 125°C
- No Ply Separation
- No Elongation

JONSON FOOD GRADE : MAXFLEXX - ECO

- Moisture Resistant
- Boiling Water resistant
- Oil Resistant
- No Ply Separation
- No Elongation

JONSON FOOD GRADE EXTRAORDINARY FEATURES

- The Belt has no odor and no taste, whereas rubber belts have bad odor
- While using rubber belting, small particles of rubber mix up with food during the process which doesn't happen with this belt
- The belt is light weight one which saves power hence make it energy efficient.
- The Belt is water resistant, oil resistant and does not get effected by crude oil whereas nylon woven belts get heavier due to absorption of water and crude oil
- The Belt can be used up to a temperature of 125°C
- No ply separation
- No Elongation

Constructional features

Available in different colours; white, Blue, Black, and Silver. The belt is available in 1 to 10 plies up to a length of 300 meters or as per customer request with the width up to 2000mm.

Applications:

Fruits | Vegetables | Meats | Poultry | Fish | Beverages | Grains | Nuts | Candles | Breads | Pastries | Cereals | Rice | Sugar | Dairy Plants | Pharmaceuticals

Conveyor Styles:

Smooth | Matte Finish | Rough Top | Chevron Top

Cover Compounds:

Nitrile Oil Proof | PVC | Silicon | Low/High Temperature | Butyl | Jonson Food Grade Compound.

Colours:

White | Blue | Green | Tan | Black

Carcasses:

Cotton | Cotton/Polyester | Spun Polyester | Polyester monofilament | Polyester



CHEVRON CONVEYOR BELTS

The chevron conveyor belts are used for carrying wet, loose sand and grain materials in bags. In addition to a range for normal bulk goods, various special types are available for conveying hot goods, for the transport of goods containing oil and grease, for steep-incline conveying and with special reinforcing materials for particular applications. The v-shape of the chevron cleats prevents the material from sliding back.

Special Features

- Longer working life
- Can carry loose materials at angle of 17-18 and bagged material at 30-35
- Cleat angle and pitch are designed for smooth travel over return idlers
- Cleats and the top cover rubber are mono block moulding for strength

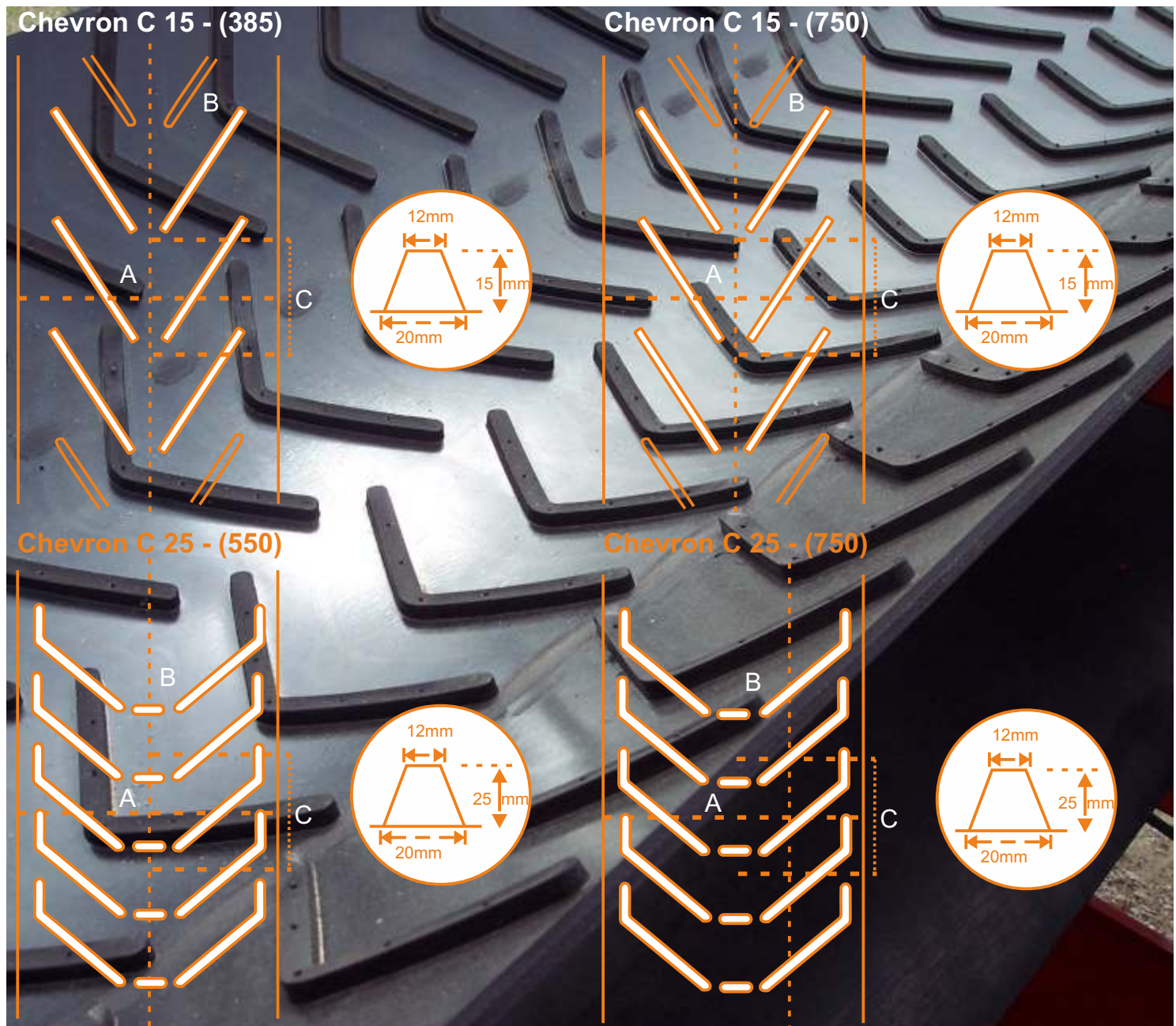
Applications

- Wood Chips
- Sand and Gravel
- Heavy Duty Scrap Metal
- Minerals - Coal and Ore
- Materials - Fine Coal and Grains
- Waste and Recycling Plants
- Road Construction
- Bagged Materials

Advantages

- Excellent flame & antistatic properties.
- Excellent impact & rip resistance.
- Ideal for applications in coal mines, power stations & metallurgy industries.

Profiles we offer



ROUGH TOP CONVEYOR BELTS

Used in transportation of light weight goods, also on inclined surfaces. The special surface absorbs vibrations and impacts and also prevents material from slipping back.

Special Features

- Provides excellent grip between belt top and packages, such as cartons, jute packages.
- Black cover for utility applications
- Tan cover for non marking applications such as packaged food.
- Available with bare back – bottom cover, to give excellent grip to the conveyor belt.

Belt specifications : Inclined Surface Transportation - Black & Tan

OUR REF.	NO. OF PLYS	TOP COVER	BOTTOM COVER	STANDARD LENGTH	COLOR	STANDARD WIDTH
RT 1	2	1/8" (3.2 mm)	BAREBACK	200 Meter Per Roll	Black, Grey, Tan	500 - 1200 MM Cut Edge
RT 2	2	1/8" (3.2 mm)	1/16' (16 mm)			
RT 3	3	1/8" (3.2 mm)	BAREBACK			
RT 4	3	1/8" (3.2 mm)	1/16' (16 mm)			

Max. material temperature 80°C recommended

STRAIGHT WRAP CONVEYOR BELTS

JONSON Straight Warp belt is an engineered carcass consisting of length-wise polyester straight-warp, intersected with cross-wise nylon weft, bound together with synthetic warp fibres. Resulting in a highly durable belt with excellent heavy load support.

Benefits

- Excellent rip and impact resistance
- Superior troughing, load support and fastener retention
- Controlled stretch reduces take up and time needed for drive adjustments
- High Cover adhesions between the plies provide outstanding flexibility to allow the use of smaller pulleys and yielding longer service life and less down time

Common Usage

- Hard rock and ore mining
- Log handling
- Magnetic Separators
- Bucket Elevators
- Primary Crushers

PIPE CONVEYOR BELTS

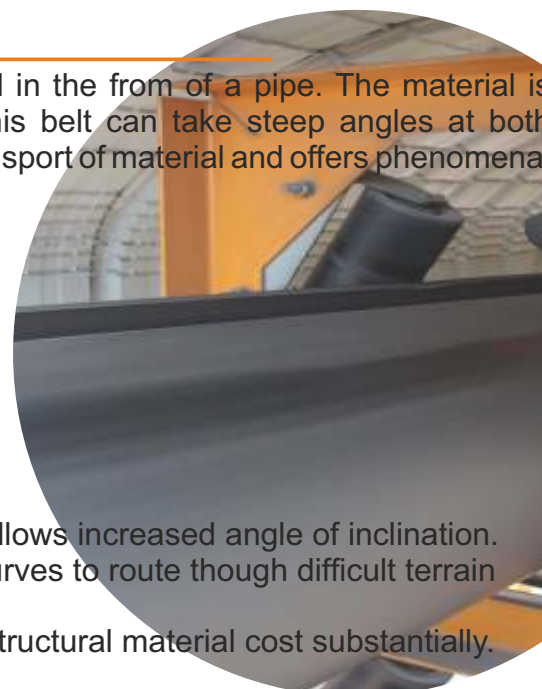
JONSON has developed a conveyor belt, which carries material in the form of a pipe. The material is completely enclosed over the entire length of the conveyor. This belt can take steep angles at both horizontal and /or vertical curves. It offers dust and spillage free transport of material and offers phenomenal savings by way of material savings and installations costs.

Application

Cement, Chemical, Fertilisers, Power Plants and Food Industries.

Features

- Retains material quality from climatological influences.
- Completely enclosed and dust free transport of material.
- Reduces transit material loss due to spillage of material.
- Protects environment from chemically hazardous material.
- Save space due to larger contact between material and belt allows increased angle of inclination.
- It's flexibility allows to accommodate horizontal and vertical curves to route through difficult terrain inside and outside of the plant.
- Narrow widths of installation and absence of hoods reduces structural material cost substantially.
- No spillage of material from return belt.



PVC / PVG CONVEYOR BELTS

RANGE OF PRODUCTS

JONSON PVC/PVG belts through its PVC compounds, customizable cover thickness and its solid woven carcass, making the belt ideal for conveying coal, potash, phosphate, fertilizer, clay, gypsum and salt. It is also suited for use in the timber industry.

PVC Table

Belt Designation	Warp breaking Strength	Warp breaking Strength	Cover Thickness	Belt Thickness*	Belt Weight*	Minimum Recommended Drum Diameters	
						lbs/in	kn/Mtr
2500	438	265	1.0×1.0	7.5	9.5	315	250
3500	610	265	1.0×1.0	8.0	10.5	400	315
4000	700	265	1.0×1.0	8.3	10.9	400	355
4500	788	352	1.0×1.0	8.5	11.2	500	355
5000	875	352	1.0×1.0	8.9	11.5	500	355
6000	1050	352	1.0×1.0	9.4	12.0	630	400
6500	1140	352	1.0×1.0	9.5	12.5	630	400
7000	1225	352	1.0×1.0	10.5	14.0	750	450
8000	1400	425	1.0×1.0	11.0	15.0	750	450
9000	1576	425	1.0×1.0	12.0	15.5	800	600
10000	1751	455	1.0×1.0	13.0	16.5	800	600
11000	1926	455	1.0×1.0	13.5	17.0	1000	750
12000	2100	455	1.0×1.0	14.5	18.0	1000	750
14000	2452	455	1.0×1.0	15.5	19.0	1250	800
15000	2625	455	1.0×1.0	16.5	20.0	1250	800

PVG Table

Class Rating	Min Tensile Strength N/mm (Warp)	Min Tensile Strength N/mm (Weft)	Carcass Thickness	Carcass Weight	Cover Grade Recommended Thickness mm (PVG)	Min Pulley Dia mm
680	680	265	6.5	8.5	1.5 x 1.5	400
800	800	320	5.9	9	1.5 x 1.5	500
1000	1000	350	7.5	9.7	2.0 x 2.0	630
1250	1250	350	8.5	11	2.0 x 2.0	750
1400	1400	450	9	11.5	2.0 x 2.0	750
1600	1600	450	9.5	12.3	2.0 x 2.0	800
1800	1800	450	9.5	12.3	2.0 x 2.0	800
2000	2000	450	10.5	13.6	3.0 x 3.0	1000
2500	2500	420	12.5	14.5	3.0 x 3.0	1200
3100	3100	420	17	17	3.0 x 3.0	1500

RUBBER SHEETS

NR / SBR RUBBER SHEETS

This rubber has excellent mechanical properties, low compression set and high resilience. It also has excellent dynamic and rebound properties. The operating temperature range is from -50° C to + 90° C. It is available in a wide range of hardness from 30° to 80° Shore A. Many of them have good resistance to acids, alkalis and salts.

COMMERCIAL GRADE								
Code	Specific Gravity	Hardness (+5)	Tensile Strength	Elongation at Break	Abrasion	Compression Set at 70° C for 22 hours	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	mm ³ 10N	%	°C	
JRNR001	1.35	60	50	300	400	50	-30 to +70	Black
JRNR002	1.35	65	50	300	450	55	-30 to +70	Black
JRNR003	1.4	65	80	380	400	50	-30 to +70	Black
JRNR004	1.5	70	35	250	450	-	-30 to +70	Black
JRNR005	2.1	75	15	150	400	-	-30 to +70	Black

PREMIUM GRADE								
Code	Specific Gravity	Hardness (+5)	Tensile Strength	Elongation at Break	Abrasion	Compression Set at 70° C for 22 hours	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	mm ³ 10N	%	°C	
JRNR021	.98	35	200	600	-	30	-25 to +70	
JRNR022	1.02	40	150	600	120	30	-25 to +70	
JRNR023	1.05	45	160	600	120	30	-25 to +70	
JRNR024	1.1	40	160	700	225	30	-25 to +70	
JRNR025	1.25	45	100	400	140	35	-25 to +70	
JRNR026	1.25	50	100	450	150	35	-25 to +70	
JRNR027	1.25	50	75	500	350	40	-25 to +70	
JRNR028	1.12	45	90	600	230	35	-25 to +70	



HIGH ABRASION RESISTANT RUBBER

Standard Length	10 Mtr	33 Ft	11 Yard
Standard Width	1.2/1.4/1.5 Mtr	4/4.6/4.92 Ft	1.33/1.53/1.64 Yard

HIGH ABRASION RESISTANT RUBBER

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Abrasion Resistant	Compression Set at 70°C for 22 hrs	Temp. Range	Colour
	gm / cm ³	Shore A	(min) kg / cm ²	(min) %	mm ³ 10N	%	°C	
SAR-40	0.98	38 ± 4	240	810	120	15	-30 to +70	Pink/Blue/Orange
SAR-60	1.10	60	200	500	110	15	-30 to +70	Pink/Blue/Orange
SAR R 60	1.10	60	270	700	110	20	-40 to +70	Red
SAR HD 60	1.10	60	215	470	110	20	-40 to +75	Black
SAR HDR	1.15	70	225	600	110	25	-40 to +75	Red
SAR HD 70	1.15	70	215	450	90	25	-40 to +75	Black

Note

- 1). Sheets can be supplied with 1 or 2 ply insertion/s in Cotton, Nylon, Polyester, Glass Fibre etc.
- 2). One side or both side smooth or fabric finish or buffed finish can be supplied.
- 3). Specifications are subject to change without notice.

NITRILE RUBBER SHEETS

Nitrile rubber or acrylonitrile butadiene rubber is a co-polymer of butadiene and acrylonitrile. It has good general resistance to oil along with good mechanical properties, especially tensile strength, flexing, compression set and impermeability to gases. It has moderate aging properties and good adhesion to metal. Its recommended operating temperature range is -30° C to + 120° C. It also displays a good resistance to inorganic chemical products except antioxidant agents and chlorine. It gives satisfactory resistance to general hydrocarbons. Due to its polar nature, we do not recommend its use with polar liquids like ketones, ethers and amines.

NITRILE RUBBER SHEET - SPECIAL GRADE

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Abrasion	Compression Set at 70° C for 22 hours	Change In Volume at ASTM Oil no. 3 70°C/72 Hrs.	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	mm ³ 10N	%	%	°C	
NRJR001	1.35	65	100	350	250	30	15	-30 to +120	Black
NRJR002	1.35	65	50	300	-	30	20	-30 to +70	Black
NRJR003	1.45	70	50	250	300	40	75	-30 to +90	Black
NRJR004	1.48	65	70	200	-	35	10	-30 to +120	Black
NRJR005	1.5	60	70	300	300	30	12	-30 to +120	Black

CHLOROPRENE (NEOPRENE)® RUBBER SHEETS

CR or Chloroprene is a homo-polymer of chloroprene or chloro-butadiene. It has excellent mechanical and good abrasion properties even without reinforcing fillers and has a reasonable resilience in grades over 60° shore A. It displays good resistance to heat, ozone and weathering and also gives good adhesion to metal. The recommended operating temperature range is between -40°C to +125°C. It has good resistance to inorganic hydrocarbons. We also offer flame retardant grades.

NEOPRENE RUBBER SHEETS - COMMERCIAL GRADE									
Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Abrasion	Compression Set at 70° C for 22 hours	Oil swell in ASTM oil 903	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	mm ³ 10N	%	%	°C	
NE 65130	1.35	65	70	300	-	50	55	-25 to +100	Black
NE 50140	1.40	55	60	350	-	45	90	-30 to +90	Black
NE 65140	1.40	65	100	400	250	40	35	-35 to +120	Black
NE 60140	1.45	60	40	250	-	45	90	-35 to +80	Black
NE 70140	1.45	70	50	225	-	45	75	-25 to +90	Black

ETHYLENE PROPYLENE DIENE MONOMER RUBBER SHEETS (EPDM)

Ethylene Propylene Diene Monomer Rubber Sheets has an excellent operating temperature range of -45* C to 120* C. It is highly recommended for out-door uses as it extremely resistant to oxidation, U.V. Rays and Ozone.

COMMERCIAL GRADE							
Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Compression Set at 70° C for 22 hours	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	%	°C	
EPJR001	1.3	60	80	300	35	-30 to +100	Black
EPJR002	1.35	65	60	250	35	-30 to +70	Black
EPJR003	1.35	60	50	300	45	-30 to +70	Black

SPECIAL GRADE							
Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Compression Set at 70° C for 22 hours	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	%	°C	
EPJR004	1.15	60	100	300	25	-30 to +130	Black
EPJR005	1.15	65	144	400	30	-30 to +130	Black
EPJR006	1.25	50	90	300	30	-30 to +130	Black
EPJR007	1.25	65	80	300	30	-30 to +120	Black
EPJR008	1.18	70	110	250	8	-30 to +120	Black

BUTYL RUBBER SHEETS

Butyl rubber is a copolymer of isobutylene and a small percentage of isoprene and has a very low permeability to air and other gases. It has excellent resistance to ozone, oxidation and sunlight, with an excellent temperature range of -45° C to + 130° C. Butyl has a very low resilience, which makes it ideal for vibration damping and shock absorption applications but offer a moderate resistance to abrasion and compression set. With careful compounding, Butyl compound can be made to acquire really good tensile strength. It is resistant to most inorganic products and highly resistant to mineral acids, alkaline and aqueous acids. We do not recommend its use in application where resistance to oils and Hydrocarbons is required. We can offer halogenated Butyl Rubber Sheets for specified applications

BUTYL RUBBER SHEETS							
Code	Specific Gravity	Hardness (+5)	Tensile Strength	Elongation at Break	Compression Set at 70° C for 22 hours	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	%	°C	
CIIR 55110	1.10	55	130	550	25	-45 to +125	Black
EPJR002	1.20	60	90	350	40	-40 to +150	Black
IR 65135	1.35	65	60	250	40	-40 to +125	Black

Standard Length	10 Mtr	33 Ft	11 Yard
Standard Width	1.2/1.4/1.5 Mtr	4/4.6/4.92 Ft	1.33/1.53/1.64 Yard

Note	1). One side or both side smooth or fabric finish can be supplied.
	2). Specifications are subject to change without notice.

SILICONE RUBBER SHEETS

Silicone rubber is physiologically inert, thus making it the preferred choice of medical, pharmaceutical and food processing industries. It remains flexible at low temperatures of -70°C and it is also resistant to ultra-violet light, Ozone and weathering. Exhibits low inflammability and low smoke toxicity. It has good electrical insulation properties.

SILICONE RUBBER SHEETS							
Code	Specific Gravity	Hardness (+5)	Tensile Strength	Elongation at Break	Compression Set at 70° C for 22 hours	Temp Range	Color
	gm/cm ³	Shore A	(min) kg/cm ²	(min) %age	%	°C	
SRIJRIL001	1.16	61	80	300	40	-60 to +226	
SRIJRIL002	1.2	60	100	250	40	-60 to +225	
SRIJRIL003	1.2	50	90	250	40	-90 to +200	
SRIJRIL004	1.2	60	60	250	40	-70 to +200	
SRIJRIL005	1.3	60	60	200	45	-50 to +200	
SRIJRIL006	1.3	70	60	200	45	-50 to +175	
SRIJRIL007	1.35	65	50	150	45	-50 to +175	
SRIJRIL008	1.7	65	50	150	45	-50 to +175	
SRIJRIL009	1.75	65	50	150	45	-50 to +175	

Standard Length	10 Mtr	33 Ft	11 Yard
Standard Width	1.2/1.4/1.5 Mtr	4/4.6/4.92 Ft	1.33/1.53/1.64 Yard

ANTI-ABRASIVE® RUBBER SHEETS

Abrasion resistant rubber sheets are compounded from high grade natural rubber to provide the best resistant to cut, wear and abrasion. Our sustained performance advantage in the rubber industry lies in our proven manufacturing process, which creates a product that provides superior performance when compared to other wear materials.

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Abrasion Resistant	Compression Set at 70°C for 22 hrs	Temp. Range	Color
	gm / cm ³	Shore A	(min) kg / cm ²	(min) %	mm ³ 10N	%	°C	
JRNR006	1.1	40	165	600	100	30	-25 to +70	
JRNR007	1.1	45	150	600	100	30	-25 to +70	
JRNR008	1.1	40	175	800	250	30	-25 to +70	
JRNR009	1.12	70	175	350	120	35	-25 to +70	
JRNR010	1.15	60	150	500	100	30	-25 to +70	
JRNR011	1.15	60	140	500	145	30	-25 to +70	
JRNR012	1.17	60	115	450	120	30	-25 to +70	
JRNR013	1.12	70	175	350	120	35	-25 to +70	
JRNR014	1.15	60/45/60	150	500	100	30	-25 to +70	

SKIRT BOARD RUBBER SHEETS

Skirt Board Rubber sheets are very essential to improve conveyor belt performance. It is used to reduce belt slippage, improve tracking and extend life of belt, bearing and other components. With features like good resistant to abrasion, cut, wear skirt board rubber is designed to resist heavy impact at loading areas.

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Abrasion Resistant	Compression Set at 70°C for 22 hrs	Temp. Range	Color
	gm / cm ³	Shore A	(min) kg / cm ²	(min) %	mm ³ 10N	%	°C	
JRNR015	1.15	45	100	400	220	35	-40 to +70	
JRNR016	1.2	45	80	300	220	35	-30 to +70	
JRNR017	1.2	55	100	400	300	35	-25 to +70	

JRNR018	1.2	50	80	350	140	40	-25 to +70	
JRNR019	1.25	50	75	500	350	40	-25 to +70	
JRNR020	1.25	60	70	350	220	35	-25 to +70	

FOOD GRADE

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Abrasion Resistant	Compression Set at 70°C for 22 hrs	Temp. Range	Color
	gm / cm ³	Shore A	(min) kg / cm ²	(min) %	mm ² / 10N	%	°C	
JRNR029	1.5	60	80	200	-	40	-30 to +70	

MULTIPURPOSE RUBBER SHEET

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Abrasion Resistant	Compression Set at 70°C for 22 hrs	Temp. Range	Color
	gm / cm ³	Shore A	(min) kg / cm ²	(min) %	mm ³ / 10N	%	°C	
JRNR029	1.45	70	40	225	-	40	-20 to +80	

Standard Length	10 Mtr	33 Ft	11 Yard
Standard Width	1.2/1.4/1.5 Mtr	4/4.6/5 Ft	1.33/1.53/1.65 Yard

SILICONE RUBBER SHEETS

Sandwich is multi-layer rubber sheet especially designed for mining industry. Its top and bottom layer are high abrasion and cut resistance for handling mining materials and its inner layer is to give support to handle mining material smoothly.

Features	Superior resistant to dry abrasion and high impact. Excellent cut and gouge properties when sharp, heavy coarse particles present. Unique two colour abrasion resistant compounds enables handling mining material and inner layer support to mining material.
Applications	Lining of chutes, vessels, transfer points, vibratory feeders, impact chutes, distribution bins and sumps when critical wear monitoring is required.
Finish Type	Both sides smooth finish.
Standard Thickness	1 mm to 40 mm
Standard Length	10 Mtr, 33 Ft, 11 Yard
Standard Width	1.2 / 1.4 / 1.5 Mtr, 48" / 54" / 60" inches
Color	Red/Black/Orange

TECHNICAL SPECIFICATION

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Abrasion	Temp. Range
	gm / cm ³	Shore A	(min) kg / cm ²	(min) %	mm ³ 10N	°C
STANDARD	ASTM D297	ASTM D2240	ASTM D412	ASTM D412	ASTM D5963	-
SW 64110	1.15	60-40-60	150	500	100	-25 to +70
SW 60110	1.14	60-40-60	150	450	120	-25 to +70

PULLEY LAGGING

JONSON offers a comprehensive range of Patterned Sheet Pulley Laggings to suit every conceivable conveyor installation. The Pulley Laggings offered by Jonson are produced in different thicknesses, rubber qualities and patterns to ensure selection of the most appropriate type, to suit all application requirements.

The Sheet Pulley Laggings offered by JONSON come with CN Bonding Layers for better adhesion levels. The profiled patterns on the top surface, in diamond or square embossing improve belt grip and tracking on conveyors, while reducing belt wear. The Sheet Pulley Lagging is available in various grades of rubber, including N, FRAS and White Nitrile for packaging and food stuff carrying belts.

SPECIAL FEATURES

- Easy to install
- Minimum wastage and economically priced
- Reduced adhesive use due to Bonding Layer
- Shorter lead times
- Maintains friction grip under unfavourable drive conditions
- Increased friction coefficient between the pulley and the conveyor belt
- Extremely helpful while running in wet conditions
- Prevents dirt build up in pulleys

Profile	DIAMOND PROFILE				sqare Profile
	Large Diamond	Small Diamond		Medium Diamond	
	LD	Sd1	Sd2	MD	
Diagonal length (mm) B	88	47	47	34	28
Diagonal length(mm) L	48	27	27	17	28
Gap between the profile (mm) S	11	6	6	6	4.5
Depth of profile (mm) D	8	4.8	4	2.5	3
Minimum Thickness (mm) T	15	8	8	6.5	8
Product Width (mm)	1500	1500	1000 1200 2000	1500	2000
Finish on Face	Plain	Fabric Finish			
Finish on the monding side	With Bonding Layer (Adhesive/The Gum Layer) With Bonding Layer-smooth or with Grinding				
Standard Roll Lenght (m)	10*	10*	10	10*	10*

TRANSMISSION BELTS

JONSON Transmission Belts for all drives and speeds and are available in width range 1 inch (25mm) to 48 inches (1200mm) with 2 to 8 plies. JONSON 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.

SPECIAL FEATURES

- Uniformity in Thickness & Width
- Higher longitudinal & transverse strengths
- Higher levels of adhesion
- Controlled elongation
- Lighter in weight thus consuming less power
- Improved resistance to flex fatigue test
- Available in variety of colours.



CONSTRUCTIONAL FEATURES

Width	→ 25mm to 2000 mm
Length	→ 100 mtr. Roll length
Fabric	→ Hard cotton ducks/soft cotton ducks/synthetic fabrics
Plies	→ 2 plies to 10 plies
Types of Edges	→ Cut edges and round/ folded edges
Colors	→ Beige, Grey, Camel, Yellow, Black and other colors as per customer requirements

REPAIR MATERIALS

Due to entrapment of material from large material size or because of wear caused by the skirt rubber or any other variants, the conveyor belts can have cuts and gouges, which result in sustained wear in a certain area. If this is not immediately repaired, the cut or wear can cause damage to the belt.

JONSON's cold bonding repair materials are specially suited to repair Conveyor Belts on-site. The repair system offered is reliable, time-saving and can be carried out by the on-site maintenance team. These Repair Materials are designed for application on almost all grades of Conveyor Belts, except for hot material and food stuffs handling belts.

The Patches and Strips are supplied with a Bonding Layer and in protective plastic films. They come with a special feather edge, enabling the Repair/Patch/Strip to merge with the covers of conveyor belts completely.

MATERIALS AVAILABLE

- Patches
- Repair Fabric
- Filler Rubber
- Strips
- Cover Strip
- Bonding Layer
- Sheet with Bonding Layer



PRODUCT WISE SPECIFICATIONS

Product	Dimensions (mm)
Diamond Patch	450 × 470
	135 × 160

Diamond Patch	200 × 260
	270 × 360
Diamond Patch	450 × 470
	135 × 160
	200 × 260
	270 × 360
Rectangular Patch	70 × 10000
	100 × 10000
	150 × 10000
	220 × 10000
	300 × 10000
	400 × 10000
Sheet for repair of damaged belt covers with CN bonding layer on one side	0.8mm × 500mm × 10000mm
	1mm × 500mm × 10000mm
	1.5mm × 500mm × 10000mm
	2mm × 500mm × 10000mm
	3mm × 500mm × 10000mm
	4mm × 500mm × 10000mm
	4mm × 500mm × 10000mm
	5mm × 500mm × 10000mm
Filler Rubber (Normal Quality)	3mm × 50mm × 10000mm
	3mm × 500mm × 10000mm
	1.8mm × 50mm × 10000mm
	1.8mm × 500mm × 10000mm
Filler Rubber (Superior Quality)	3mm × 50mm × 10000mm
	3mm × 500mm × 10000mm
	1.8mm × 50mm × 10000mm
	1.8mm × 500mm × 10000mm
EP Conveyor Repair Fabric with BL on both sides	2.2mm × 500mm × 10 Mt

JONSON'S SPECIALISED PROFESSIONAL SERVICES

JONSON is now present to our customers as integrated offerings from One Source, including conveyor belt for all above and below ground systems, idlers and structure, system design, installation, aftermarket components and ongoing service. While all of these resources are available as a One Team approach, we do maintain stand-alone businesses with products, services, and personnel who concentrate their experience within one specialty.

ENGINEERED CONVEYING SOLUTIONS

REPAIR & RECONDITIONING

TECHNICAL SUPPORT

TECHNICAL CONSULTANCY

BELT STOCKING & STORING

STORAGE AND UPLOADING MANUALS

CAPABILITIES

- New product development
- Existing Products modifications
- Onsite installations
- Our customer's productivity
- Optimizing conveyor belt life and components

WE CAN PROVIDE

- Site surveys and inspections
- Field measurements for chute design
- Specification design
- Redesign of existing equipment
- Design review/recommendation
- Certified CAD engineering drawings
- Component specifications
- State of the art fabrication capabilities
- Oversee installations
- Start-up & maintenance services

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