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BELT INDIA CONVEYOR SERVICE

SPLICING MATERIAL, VULCANISING PRESS AND SERVICES

No. 357, NLC REHABILATION CENTER, B-II BLOCK
11th CROSS STREET, INDIRA NAGAR, NEYVELI – 607801.
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BELT INDIA CONVEYOR SERVICE

HOT SPLICING KITS

Conveyor Belt Splices are the weakest point in a belt. Hot Splicing of Conveyor Belts provide jointing solutions that last the life of the conveyor belt.

The strength of a splice depends on various factors including, the quality of the rubber materials used, the vulcanizing press and the quality of workmanship.

BIC manufactures splicing kits for Fabric and Steel Cord Conveyor Belts suitable for Troughed, Pipe, Cleated and Sidewall Belts.

Our Splicing Kits are manufactured for all specifications of cover grades and tensile strengths.

Splicing Kits consist of all the consumables required to carry out a splice including Uncured Rubber and Vulcanizing Solution . BIC Splicing kits contain uncured rubber with superior tack. This allows easier assembly resulting in better splices.

KITS CONSIST OF:

Top & Bottom Cover Slabs – Slabs include cover grades (OR,FR,CR,HR,) Cover slabs provide better bonding with steel cords.

InterCord Strips-These are manufactured to match Steel cord Spacing and cord diameters

Hot Vulcanizing Solution

Cleaning Solution

Silicone Release Paper

STORAGE

Shelf Life of Rubber materials in the splicing kit is 6 months when stored under 18 C

Spot Repair Press

Spot Repair Presses offer a portable solution for belt repairs. Its lightweight construction and compact design allow you to repair areas from 12 in² (300 mm²) and higher. Pressure is built up with a air compressor

Heating Plates

Heating plates with automatic temperature regulation, signal lamp and thermometer Available with either air or water cooling Uniform pressure distribution using Belt Pro Pressure Bags Easy to transport

Heating Platens

Made of lightweight aluminum with integrated air or water cooling channels
Provides uniform heating using BIC Heating Mats
Perfect for splices of up to 21 inches (550mm) and Belt Widths up to 60 in (1600mm)
Pressure Bag
Uniform pressure distribution using BIC Pressure Bags
Surface Pressure of up to 100 psi

Rip and Edge Repair Presses

Rip and Edge Repair Presses lengthen the life of your conveyor belt by allowing you to quickly repair longitudinal rips or damaged edges.

Heating Plates

Corrosion-resistant aluminum alloy.
Suitable for longitudinal repairs with a minimum width of 12 inches (300 mm) and for any required length
BIC heating mats and profile reinforcements guarantee optimum pressure and temperature distribution
Robust, flush fitting electrical connections
Thermo-sensor PT 100 in every heating plate
Available with either air or water cooling to reduce your repair time by several hours.

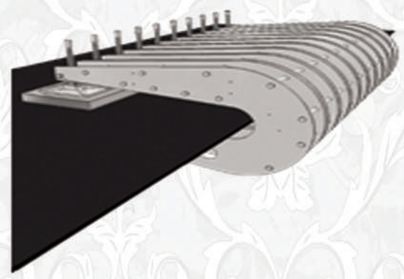
C-Clamps

dawn Aluminum alloy with torsion-stiff, solid welded construction

Frame Press

BIC Frame Presses are designed for quick and easy operation. Its two piece frame construction is made of lightweight aluminum and is easily transported and setup.

Can be used in combination with multiple BIC Frame Presses to cure larger splice lengths.



C-Clamps

Aluminum alloy construction provides maximum bending resistance with minimum weight
Configurations suitable for edge repair up to center longitudinal repairs. Available for belts up to 95 inches (2400mm).
Uniform Pressure Distribution using BIC Pressure Bags
Air and Water Bags available.

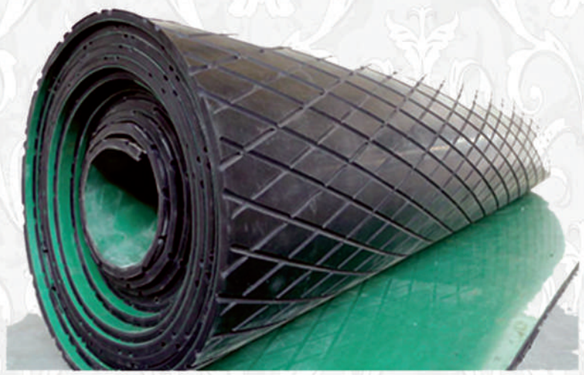
LAGGING SHEET

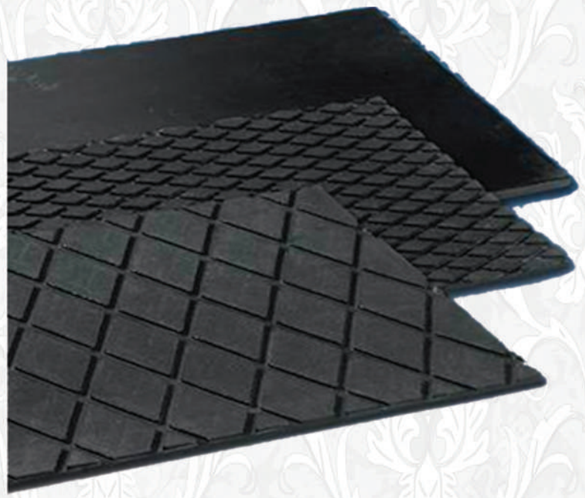
Our Pulley Lagging Rubber Sheet & CN Bonding Layer Sheets exhibits some of the best elasticity, and are also resistant to any kind of wear and tear. They have a unique blend of natural and synthetic rubber, and it prevents conveyor belt slippage.

It also gives excellent resistance to corrosion while reducing any kind of material build-up at the same time. All of these properties has helped us to become the countries' leading Pulley Lagging Rubber Sheet & CN Bonding Layer Sheets manufacturer in the market. We produce these sheets in black color which also influence belt tracking positively.

They are available in various profiles like diamond, square and plain profiles, irrespective of the presence of special bonding layer. They are also highly resistant to abrasion, ozone, and to adverse weather conditions, temperatures.

Depending on its hardness, specific gravity, bonding layer, mechanical properties, surface finish they are made available in a variety of choices. So, if you are looking forward to purchase Pulley Lagging Rubber Sheet & CN Bonding Layer Sheets then you should consider getting it from Belt India Conveyor Service.





Hydraulic Press

Control Panel

Digital display shows exact temperature reading in each heating plate via PT 100 thermo-sensor

Electronic controller for quick and simple programming of temperature

Digital display for set and actual temperature

Manual backup in case of electronic control failure.

Optional Timer function.

Can be provided in three-phase current or AC

Hydraulic Cross Beams

Light weight Aluminum alloy with hydraulic pressure system provides maximum tensile and be ding strength with minimum weight

End bolts are designed within the cross beam profile providing higher safety.

Built-in protection against hose breakage. The CFOSS beam pressure is maintained in case a hose breaks or there is a sudden drop in pressure

Compact, light metal cylinders provide high-pressure for even surface pressure.

Recommended pressure for fabric belt is 100 psi

(8 kg/cm2) and 17 psi (12 kg/cm2) for steel cord

Quick and simple pressure build-up using a reciprocating piston hand pump or a motor driven unit

Heating Platens

Regulation via thermo-sensor PT 100
Heating plates made of corrosion-resistant aluminum alloy
Designer for Rhombic splices (16º 42º 22º) or rectangular splices (90°)

Heating plates combined with hydraulic pressure systems allow splicing even on partially worn belts
Optimum pressure and temperature distribution
Air and/or water cooling available Robust, flush fitting electrical connections guarantee safe operation

Platens are designed to be used in combination or stand alone. This makes the presses easier to maneuver.

Pressure is built up With a motor-driven pump unit or manually with reciprocating piston hand pump.

Reciprocating Piston Hand Pump

Pressure is limited to 450 bar. (6.5K psi) - 700 bar (10K psi) available
Usable 0il Volume of 10 liters (2.6 gallons)
Pressure gauge for pressure control

Motor-driven Pump Unit

Pressure limited to 450 bar (6,500 psi)

Supplier complete with tubular protective frame, pressure gauge, hose coupling and valves

400 V, 50 Hz (other voltages on request) rating 1.1 kw

Pressure Bag Press

Control Panel

Digital display shows exact temperature reading in each heating plate via PT 100 thermo-sensor

Automatic temperature and pressure cut-offs allow users to set and forget

Optional Splice Recording stores the temperature, pressure vs time graph.

Optional LCD touch screen display or portable device interface.

Electronic controller for quick and simple programming of temperature.

Digital display for set and actual temperatures

Manual backup in case of electronic controller failure.

Can be provided in three-phase current.

Cross Beams

Lightweight Aluminum alloy provides maximum tensile and bending strength with minimum weight.

End bolts are designed within the cross beam profile providing higher safety

Heating Platens

Quick and Even heating and heating Mats

Regulation via thermo - sensor PT 100

Designed for Rhombic splice (16° 42'; 22°) or rectangular splices (90°)

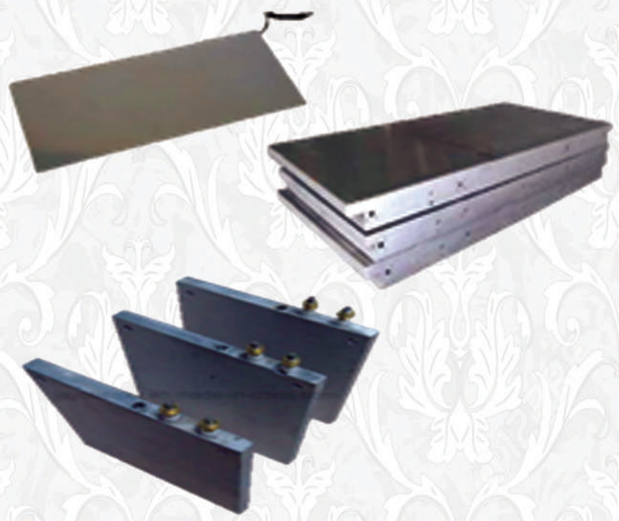
Cooling Channels within the platens provide Quick cooling reducing your splicing time by several hours

Air and/or water cooling available

Optimum pressure and temperature distribution

Robust, flush fitting electrical connections guarantee safe operation

Platens are designed to be used in combination or stand alone. This makes the presses easier to maneuver.



Splicing Kits for Fabric Belts

Cover Rubber – The uncured rubber is available in most cover grades (OR,FR,CR,HR,SHR & UHR)

Skim Rubber – Provides superior bonding between the fabric plies and the cover rubber

Hot Vulcanizing Solution

Cleaning Solution

Silicone Release Paper

Storage

Shelf Life of Rubber materials in the splicing kit is 6 months when stored under 18 C

COLD ADHESIVES

BIC X-1OO Cold Solution is a two component system used for splicing and repairs of conveyor belts. It provides quick, strong bonding of Rubber-to-Rubber, Rubber-to-Fabric and Rubber-to-Metal.

Applications include conveyor belt splices and pulley lagging. It is also used for application of wear and corrosion resistance materials like liners for chutes bunkers, tanks, pipes, etc.

BIC X-100 provides excellent initial and final bonding strengths with an ideal curing time of 6 hours. Bonding strength is increased when used with products having BIC Bonding Layers.

BIC Primer and Cleaning Solutions are also recommended for improved bonding