



FIRE RESISTANT CONVEYOR BELTS

Fire is one of the main threats to a conveyor system and it is not just the flames but also the gases which are released when the belt burns, which cause fatalities.

We recommend INDUS SUPER BLAZE conveyor belts in areas which are prone to fire risk. Fires are a safety hazard and expose personnel to the risk of loss of life. Additionally, the extent of damage to property, production losses and damage to the installations are caused due to such breakdowns.

The INDUS SUPER BLAZE conveyor belt acts as a prohibiting tool against fires by offering various degrees & grades of fire resistance. Our technical team has been able to incorporate new technology into the manufacture of these conveyor belts by ensuring the stoppage of fire propagation or limiting the fire propagation at its origin.

INDUS SUPER BLAZE conveyor belts are manufactured to address the varying fire resistance standards (National & International).

In the absence of directives from our customers, suitable conveyor belts are suggested by our technical team regarding the appropriate fire resistant belt required for any particular application.

INDUS SUPER BLAZE conveyor belts also cater to the underground mining sector by offering specialized low smoke and low toxicity Conveyor Belts.

ALL INDUS SUPER BLAZE CONVEYOR BELTS ARE ANTI-STATIC.

- Underground mines
- Coal mines
- Conveying of materials which can ignite while in use
- Coal handling systems
- Thermal power plants
- Sulphur conveying systems



PRODUCT FEATURES

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|----------------------------|--|
| Standard Width | Up to 2200mm (86") Up to 5000mm (197") available with longitudinal joint |
| Type of Fabric | EP / NN / PP |
| Breaker Fabric Ply | Optional / as per customer requirement |
| Standard Belt Rating | 200 kN/m (110 PIW) to 3200 kN/m (1800 PIW) |
| No. of Ply's | 1 Ply to 8 Ply |
| Rubber Cover Thickness | 1mm (1/25") to 25mm (1") |
| Colour | Black |
| Edge | Cut Edge / Moulded Edge |
| Splicing Method | Hot / Cold / Mechanical |
| Single Roll Length | Standard Length : 300 meters (1000') Up to 1000 meters (3300') depending upon total belt thickness |
| Standard Packing | Wrapping in HDPE sheets with Strapping. (Wooden Crate / Metal Crate packing is available on request) |
| Belt Identification Number | A unique BIN (Belt identification number) at every 10 meters (33') |

INDUS SUPER BLAZE Belts are available in below mentioned Cover Grades:

| Cover Grades | Applicable Standards | Min. Tensile Strength (MPa) | Min. Elongation at Break (%) | Max. Abrasion Loss (mm ³) | Application Areas |
|------------------|----------------------|-----------------------------|------------------------------|---------------------------------------|--|
| FR-IS | IS-1891-Part 5 | 17 | 400 | 175 | Moderate resistance to flame propagation. Suitable to convey coal, minerals & ore for over ground application. |
| FR-ISO 340/DIN-K | ISO-340-2013 | 17 | 400 | 175 | Good resistance to flame propagation and has low burning rate. Suitable to convey coal, minerals & ore for over ground application. |
| FR-ISO 340/DIN-S | ISO-340-2013 | 17 | 400 | 175 | Very good resistance to flame propagation and has low burning rate. Suitable for over ground for high risk materials and Underground for low risk application. |
| FR-CAN-CSA | CAN-CSA-M422-2014 | 17 | 400 | 175 | Moderate resistance to flame propagation. Suitable to convey coal, minerals & ore for over ground application. |
| FR-MSHA-2G | CFR-30-Part 18 | 17 | 400 | 175 | |
| FR-MSHA | CFR-30-Part 14/75 | 15 | 400 | 200 | Very good resistance to flame propagation and has low burning rate. Suitable for over ground for high risk materials and underground for low risk application. |
| FR-AS-S | AS 4606-2012 | 18 | 400 | 120 | |
| FR-AS-F | AS 1332-2000 | 17 | 400 | 175 | Very good resistance to flame propagation and has low burning rate. Suitable to convey coal, minerals & ore for underground application. |
| FR-SANS-F | SANS-971-2003 | 17 | 400 | 175 | |
| FR-SANS-FRX | SANS-971-2013 | 14 | 400 | 175 | Very good resistance to flame propagation and has low burning rate. Suitable to convey Coal, minerals & ore for underground application. |
| FR-SAR* | INDUS | 17 | 400 | 110 | Combination of good resistance to flame propagation & good abrasion resistance. Suitable to convey Coal, minerals & ore for over ground application |
| FR-OR* | INDUS | 15 | 400 | 175 | Combination of good resistance to flame propagation & moderate oil resistance. suitable to convey oil coated flammable materials for over ground application |
| FR-HR-OR* | INDUS | 12 | 350 | 200 | Combination of good resistance to flame propagation & heat resistance & moderate oil resistance. Suitable to convey Hot & oily materials having fire hazard for over ground application. |
| FR-HF* | INDUS | 12 | 400 | 200 | Halogen free belt with low smoke properties. |

Additional Details:

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| FR-HF | : | Halogen free belt – low smoke. (Flame test as per CAN CSA) |
| FR-OR | : | Fire resistant + Oil resistant for oil coated flammable material. (Flame test as per CAN CSA) |
| FR-SAR | : | Fire resistant + Abrasion resistant for abrasive & fire hazard material. (Flame test as per CAN CSA) |
| FR-HR-OR | : | Fire resistant + Heat resistant + Oil resistant for hot, oily and & fire hazard material. (Flame test as per CAN CSA) |

Additionally, the below mentioned tests are also conducted IN HOUSE on INDUS SUPER BLAZE Conveyor Belts:

- Drum Friction Test
- Flame Test
- Electrical Surface Resistance Tests