

MAXX AGNI™

Fire Resistant



Product Feature:

One of the main hazards to which a conveyor system is prone to is Fire. Since general purpose conveyor belts are combustible, in certain areas which are exposed to fire risk, we recommend the use of fire resistant belts. The effect of a fire entails a safety hazard for the personnel as well as potential financial loss caused due to damage to the installation and of course substantial production loss which follows any such breakdown.

With the advancement in technology, it is possible to impart properties to conveyor belts so that in fact the propagation of the fire is arrested or limited at the source. This is done by using a combination of polymers, chemicals and additives which contribute to improving the fire retardency of the conveyor belt. This can often be achieved without compromising the wear life of the conveyor belt as well.

In order to cater to varying levels of fire resistance in line with various domestic and international standards, Oriental has developed a range of fire resistant belts which we promote under the umbrella brand MAXX AGNI. This range includes belts suited for underground use and specialized belts with low smoke and toxicity.

MAXX AGNI belts are 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.

Benefits of MAXX AGNI :

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

Product application:

Coal Mines and other underground mines, Thermal Power Plants, Coal Handling units, Sulphur Conveying etc.

MAXX AGNI belts with added feature of Heat and /or Oil Resistant property are also available on request.

Product Characteristics:

Common Widths	: 500 mm to 2000 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 Covers Thickness	: Minimum 1.0 mm to 20 mm
Rubber	: Black
Surface Finish	: Smooth
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

MAXX AGNI:

These belts are recommended for use in coal and such types of mines where the ambient temperature may not be high but there is a distinct hazard of the belts being enveloped in fire. Rubber covers are fire resistant and antistatic.

Cover Type	Fire Resistant Test compliance to Standard	Max. Tensile strength, Mpa	Max. Elongation at Break, %	Max. Abrasion Loss, mm 3	Application Characteristics	Primary Reference Material
Fire Resistant for Over Ground Application	FR ISO 340	15	350	175	Excellent resistance to flame propagation & has low burning rate	Coal, Minerals & ores
	FR SANS F	15	350	110		
	FR - IS	17	350	175		
	FR - DIN K & DIN S	15	350	175	Good resistance to flame propagation and has low burning rate	
	FRAS - F	15	350	175		
	FR - CAN CSA - C	15	350	175		
	FR - MSHA - 2 G	15	350	175		
	FR - HAR	17	350	100		
	FR - SAR	15	350	65		
FR - OR - *2 CAN C	12	350	250	Meeting MSHA Standard, suitable for underground mines	Coal	
FR - HFFR MSHA 2G *1	10	350	200			
Fire Resistant for Under Ground Application	MSHA - BELT	15	350	150	Suitable for Underground Coal Conveying	
	FRUG - AS	15	300	100		

*1: Halogen free belt, low Smoke
*2: Fire Resistant + Oil Resistant, for Oil Coated flammable material handling, Swelling in Fuel B 70% (max.) at room temperature

