



FIRE RESISTANT CONVEYOR BELT

Characteristics and application

This belt suitable for conveying materials that require a flame resistant and static conductive function.

The product is made of cotton canvas, nylon canvas or EP canvas and finished through the process of pressing, shaping and vulcanizing etc. It is suitable for conveying materials in blocks, grains or in powder. Such as coal in bulk or in bales, under the condition of easily burn or easily explosive environment above coal mines.



Specification

ABOVE GROUND

Grade	Tensile Strength Mpa	Elongation %	Abrasion Loss mm ²	Anti-Static Ω	Alcohol burner combustion test	Propane combustion test in roadway
DIN K	20	400	200	3 x 10 ⁸	Amount of 6 samples maximum 45 seconds	----
GB/T D	18	450	200	3 x 10 ⁸		
GB/T L	14	400	200	3 x 10 ⁸		

UNDER GROUND

Grade	Tensile Strength Mpa	Elongation %	Abrasion Loss mm ²	Anti-Static Ω	Alcohol burner combustion test	Propane combustion test in roadway
GRADE I	14	350	200	3 x 10 ⁸	Cover Rubber : Average of 6 samples maximum 3 seconds Single sample maximum 10 seconds Carcass : Average of 18 samples maximum 5 seconds Single sample maximum 15 second	1. Undamaged length minimum 600mm 2. Undamaged length minimum 500mm and length loss maximum 1250mm
GRADE II	125	300	200	3 x 10 ⁸		



OIL RESISTANCE CONVEYOR BELT

Oil resistance conveyor belts use NBR as cover rubber, and Cotton and Nylon and Polyester as carcass. This kind of belt usually use for all transportation process or material containing oil.

Oil resistance conveyor belts have low volume changing rate and high strength keeping rate.



Grade	Tensile Strength at Break Mpa	Elongation at Break %	Abrasion mm ²
FOA30	14	350	200
MOR100	14	350	200
OR200	16	350	160

Grade	Test Condition			CHANGE RATE OF MEASUREMENT %
	Test oil	Temperature °C	Time hours	
FOA30	Soybean Oil	80 ± 2	24 +0, -2	± 20
MOR100	#3	70 ± 2	72 +0, -2	± 50
OR200	#3	70 ± 2	72 +0, -2	+5, -10

Application

FOA30 Special for transport of grains and cereals. Have good oil resistance + Anti-Static + Flame resistance, Same as Goodyear Pathfinder, Fenner Dunlop CGH or UGH, Contitech Grain Handle, Correias Mercurio TGS or TG

MOR100 Wood Oil, Frozen food Oil, Animal Oil, Vegetable Oil, Corn Oil, etc.

OR200 Mineral Oil, Recycle Oil, Engine Oil, Heavy Oil, Preservative Oil, Asphalt, Coal, etc.