

ORIENTAL

CONVEY | ALL | THE | WAY



FIGHT THE SWELL

MAXX **OLEO**[®]
Oil Resistant Belts

Product Feature:

MAXX OLEO® Oil Resistant conveyor belts are manufactured using specially tailored rubber compounds and are suitable for conveying a wide range of materials which may either contain, or are coated with oil.

Some applications demand a certain degree of oil resistance. However, general purpose belts while suitable for abrasion and wear, are not designed to withstand a higher level of oil resistance. As a result, the covers tend to swell when they come into contact with petroleum based oils, greases, animal or vegetable fats etc. The resultant swelling of the rubber leads to failure of the belt due to reverse troughing, cover delamination or joint separation.

To address this challenge, we offer the largest range of Oil Resistant belts in the industry and can virtually customise the belt construction and cover type to suit your needs.

With a **MAXX OLEO®** belt, we help you to **FIGHT THE SWELL!**

Benefits of MAXX OLEO®:

- Designed to convey oily materials, thereby resulting in higher belt life
- Also have a high degree of chemical resistance
- Unique properties to prevent material build up
- Availability of various grades to suit end use requirements (refer table)
- Eliminates the occurrence of reverse troughing of belts

Product Application:

Coated fertiliser products | Refineries for handling pet coke | Scrap recycling and compost handling | Soya and grain handling facilities | Hot asphalt / hot mix plants | Metal turnings

Product Characteristics:

- Common Widths : 500 mm to 2600 mm (20" to 102") for EP/NN | 800 mm to 2400 mm (32" to 94") for ST
- Carcass Variety Available : EP/NN, MAXX ROCK®, MAXX ARMOUR™, MAXX STEELFLEX™
- Common Belt Rating : 200 to 3150 kN/m (110 to 1800 PIW) | ST500 to ST5400 kN/m (270 to 3000 PIW)
- No. of Plies : 1 ply to 7 ply
- Rubber Cover Compounds : Refer table for detailed properties
- Rubber Cover Thickness : 1.5 mm to 25 mm (1/16" to 1") or Bare Back
- Edge : Cut/Moulded Edge
- Splicing Method : Hot/ Cold/ Mechanical
- Belt Identification : Unique Product Identification Number (PIN) at every 10 Mtr (33')

MAXX OLEO® Cover Grade Selection Chart

| Cover Type | Standard & Grade | Minimum Tensile Strength (MPa) | Minimum Elongation at Break (%) | Maximum Swelling in Fuel B (%) | Reference Material |
|--|-------------------------------|--------------------------------|---------------------------------|--------------------------------|---|
| High Oil Resistant | MAXX OLEO® - HIOR | 15 | 350 | 35 | Carry material like oil treated fertilizers, crude petroleum, oil coated products etc. |
| Oil Resistant | MAXX OLEO® IS-OR, AS-Z, DIN-G | 12.5 | 350 | 70 | Materials like light oil coated sand, food grains, oil seeds etc. |
| Moderate Oil Resistant | MAXX OLEO® -MOR | 12.5 | 350 | 110 | Materials like oil seeds, wood chips, vegetable oil coated products etc. |
| Heat and Oil Resistant | MAXX OLEO® -SOR-HR | 12 | 300 | 70 | Heat resistant upto 125°C, used for hot asphalt handling |
| High Heat and Oil Resistant (Moderate) | MAXX OLEO® -SHR-SOR | 12 | 300 | 55 | Moderate heat resistant upto 100°C, for handling tar coated material |
| High Abrasion and Oil Resistant | MAXX OLEO® - HAR | 12 | 300 | 60 | High wear resistant (100mm ³ max.) meant for handling oil coated abrasive material |
| Oil, Heat and Fire Resistant | MAXX OLEO® OR-HR-FR | 12 | 300 | 60 | Soya grain handling terminals, anti static & fire resistant |

