

Disogrin® 9250 (TODI/Polyurethane)

This material was developed to solve difficult hydraulic applications, and was produced specifically for use as O-rings. It possesses extremely high mechanical properties, outstanding resistance to abrasion, tear and extrusion over a large range of temperatures. It is suitable for petroleum based, bio-degradable (synthetic and natural Ester) based fluids.

Features and Benefits

- Excellent oil and abrasion resistance
- Low breakaway friction
- Reduced extrusion
- Longer life
- Reduced operating costs and downtime

Applications

- Bulldozers
- Construction equipment
- Forklifts
- Mobile lifts
- Agricultural equipment
- Flanges / static seals
- Injection molding machines
- Mobile arm trucks
- Valves
- General cylinders



Material: Premium Polyurethane, TODI based

Typical Physical Properties

Color	Natural
Hardness, Shore A	90
Tensile Strength, psi (MPa)	6,500
Elongation	420
Compression Set: 70 hrs. at 70°C	22
Service Temperature Range, °C (°F)	-59 to 149 (-75 to 300)

Operating Limits

The operating limits are highly dependent on the application. Combinations of pressure, temperature, fluid medium and other factors all greatly affect the performance and longevity of the seal.

- Pressure: 10,000 psi / 70 Mpa
- Temperature: -48°C to 110°C (-50°F to 220°F)

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

Pub#Diso9250PIC
© Copyright FNGP 2007