



OZ ULTRA PERFORMANCE

Design Description

Oz Ultra Performance has very good values for tensile strength, elongation at break and tear-strength. It also has a very low compression set.

Its excellent wear resistance, high elasticity, high dynamic resistance as well as low permeability are other advantages.

Features

- Outstanding toughness & abrasion for high pressure applications
- Mineral oil compatibility is good
- Good resistance to ozone attack & weathering
- Excellent hot water resistance
- Low compression set
- Resistance in HFA, HFB and HFC hydraulic fluids

Properties	Specified	Unit	Value
Hardness	DIN 53505	Shore A	95 ±2
Hardness	DIN 53505	Shore D	46 ±2
Density	DIN 53479	g/cm ³	1.2
Tensile strength	DIN 53504	N/mm ²	48
Elongation at break	DIN 53504	%	430
Stress ratio 100%	DIN 53504	N/mm ²	17
Stress ratio 300%	DIN 53504	N/mm ²	38
Compression set 20 °C/24h	DIN 53517	%	11
Compression set 70 °C/70h	DIN 53517	%	24
Tear strength	DIN 53515	N/mm	110
Elastic recovery	DIN 53512	%	26
Abrasion	DIN 53516	Mg loss	27
Minimum application temperature		°C	-50
Maximum application temperature		°C	120
Elongation at break after 2000h			430
Storage in distilled water at 95°C			430
Swell in water		%	0.3-0.4 max