



**OZ NAMO
NATURAL POLY**

Design Description

Oz NAMO (Natural Poly) is a hydrolysis-resistant material for a temperature range from -50°C to 120°C. Especially suitable for piston/rod seals with soft elastomer energizers, slip rings or wipers using for strong dirt. Oz NAMO is a food grade material which makes it ideal for food processing industries. In some cases, OZ NAMO is a great replacement for PTFE.

Features

- Low compressions set
- Excellent hot water resistant
- Resistance in HFA, HFB hydraulic fluids and using biologically reducible hydraulic fluids

Properties	Specified	Unit	Value
Hardness	DIN 53505	Shore D	80
Density	DIN 53479	g/cm ³	1.16
Tensile strength	DIN 53504	MPA	78
Elongation at break	DIN 53504	%	310
10% Modulus/psi	DIN 53504	MPA	15.3
100% Modulus/psi	DIN 53504	MPA	27.2
200% Modulus/psi	DIN 53504	MPA	35
300% Modulus/psi	DIN 53504	MPA	48.1
Compression set 70 °C/70h	DIN 53517	%	35
Tear strength/D470/p li	DIN 53515	N/mm	132
Tear strength: with nick	DIN 53515	N/mm	75
Resilience	DIN 53512	%	40
DIN abrasion resistance	DIN 53516	Mg loss	45
Specific gravity			54
Minimum application temperature		°C	-50
Maximum application temperature		°C	120
Elongation at break after 200h/Storage distilled at 95°C			310
Swell in water			0.3 - 0.4 m