



**WIFF 60
WIFFLON**

Design Description

WIFF (Wifflon) is a hydrolysis-resistant material for a temperature range from - 50° C to 150 C. Especially suitable for piston/ rod seals with soft elastomer energizers, slip rings or wipers/scrapers used for harsh contamination such as dirt.

WIFF polymer is Hydrolysis resistant, UV resistant and has superior mineral oil compatibility as well as great resistance to ozone attack and weathering. WIFF has outstanding toughness and abrasion resistance for high pressure applications. The material has good mineral oil compatibility and has good resistance to weathering.

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	60D
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/pli	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	150
Elongation at break after 200h/Storage distilled at 95°C			310
Swell in water			0.3 - 0.4 m