



# POM diet

Polyacetale

Standard colour: white

- Suitable for moist environments, good gliding material
- Resistant to mineral oil, HFC, HFD-U, HETG=biological base, acid oils and gases, cold water and diluted acids and bases
- Applicable for Backup Rings and Guide Rings

Properties	Value	Unit	DIN Standard
<b>Hardness</b>	85 ± 3	Shore D	DIN 53505
<b>Density</b>	1,41 – 1,43	g/cm <sup>3</sup>	DIN 53479
<b>Water absorbtion</b>	0,25	%/24h	DIN 53495
<b>Fire performance</b>	94HB		UL 94 Test
<b>Modulus of elasticity in tension</b>	3000	N/mm <sup>2</sup>	DIN 53452
<b>Elongation at break</b>	40	%	DIN 53455
<b>Tensile strength at break</b>	70	N/mm <sup>2</sup>	DIN 53455
<b>Impact strength</b>	no break	kJ/m <sup>2</sup>	DIN 53453
<b>Ball indentation hardness</b>	160	N/mm <sup>2</sup>	DIN 53456
<b>Heat distortion</b>	110	°C	DIN 53461
<b>Therm. coefficient of linear exp.</b>	11	1/K.10 <sup>-5</sup>	DIN 53752
<b>Melting point</b>	164-168	°C	DIN 53736
<b>min. service temperature</b>	-50	°C	
<b>max. service temperature</b>	+90	°C	
<b>Sliding coefficient</b>	0,27	μ	

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

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