



# POM Polyacetal

## BTPOM85D 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

### Mechanical, Physical and Thermal Properties

Properties	Value	Unit	Din Standard
Hardness	85 ± 3	Shore D	DIN 53505
Density	1.41 - 1.43	g/m <sup>3</sup>	DIN 53479
Water Absorbtion	0.25	% / 24h	DIN 53495
Fire Performance	94HB		UL 94 Test
Modulus Of Elasticity In Tension	3000	N/mm <sup>2</sup>	DIN 53452
Elongation At Break	40	%	DIN 53455
Tensile Strength At Break	70	N/mm <sup>2</sup>	DIN 53455
Impact Strength	No Break	kJ/m <sup>2</sup>	DIN 53453
Ball Indentation Hardness	160	N/mm <sup>2</sup>	DIN 53456
Heat Distortion	110	°C	DIN 53461
Thermal Coefficient Of Linear Expansion	11	1/K.10 <sup>-5</sup>	DIN 53752
Melting Point	164 - 168	°C	DIN 53736
Minimum Service Temperature	-50	°C	
Maximum Service Temperature	+ 90	°C	
Sliding Coefficient	0.27	μ	

