



# XHPU solid

Hard hydrolysis resistant polyurethane

Standard colour: dark red

- Hard PU, substitute for PA6G
- Resistant to mineral oil, HFD-U, HETG=biological base, Acid oils and gases, cold water and diluted acids and bases
- Applicable for Rod and Piston Seals, Wiper Seals, Rotary Seals, Static Seals, Spring-assisted Sealing Elements, Backup Rings and Guide Rings

Properties	Value	Unit	DIN Standard
<b>Hardness</b>		Shore A	DIN 53505
<b>Hardness</b>	57 ± 3	Shore D	DIN 53505
<b>Density</b>	1,2	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Compression set 70°C/24h</b>		%	DIN ISO 815-1
<b>Compression set 70°C/70h</b>		%	DIN ISO 815-1
<b>Compression set 100°C/24h</b>		%	DIN ISO 815-1
<b>Elongation at break</b>		%	DIN 53504
<b>100% modulus</b>		N/mm <sup>2</sup>	DIN 53504
<b>300% modulus</b>		N/mm <sup>2</sup>	DIN 53504
<b>Rebound resilience</b>		%	DIN 53512
<b>Tear strength</b>		N/mm <sup>2</sup>	DIN 53515
<b>max. service temperature</b>	-25	°C	
<b>max. service temperature</b>	+110	°C	

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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