



# HPU Lubric

Lubricated hydrolysis resistant polyurethane

Standard colour: black

- Lubricant-filled polyurethane
- Resistant against 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-loaded sealing elements, backup rings and guide rings

Properties	Value	Unit	DIN Standard
<b>Hardness</b>	96 ± 3	Shore A	DIN 53505
<b>Hardness</b>	49 ± 3	Shore D	DIN 53505
<b>Density</b>	1,23	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Compression set 70°C/24h</b>	27	%	DIN ISO 815-1
<b>Compression set 70°C/70h</b>	30	%	DIN ISO 815-1
<b>Compression set 100°C/24h</b>	38	%	DIN ISO 815-1
<b>Elongation at break</b>	340	%	DIN 53504
<b>100 % modulus</b>	16,7	N/mm <sup>2</sup>	DIN 53504
<b>300 % modulus</b>	50,6	N/mm <sup>2</sup>	DIN 53504
<b>Rebound resilience</b>	18	%	DIN 53512
<b>Tear strength</b>	36,7	N/mm	DIN 53515
<b>min. service temperature</b>	-30	°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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