



# HPU low temperature

Hydrolyses resistant Polyurethane

Standard Colour: **Night Blue**, similar RAL5022

- Low temperature polyurethane
- Resistant against mineral oil, HFD-U and HETG = biological base, acid oils and gases, cold water and diluted acids and bases
- Applicable for Rod and Piston seals, Wiper seals, Rotary seals and Static seals.

Properties	Unit	Din Standard	Value
Hardness	Shore A	DIN53505	95 ± 5
Hardness	Shore D	DIN53505	48 ± 3
Density	g/cm <sup>3</sup>	DIN EN ISO 1183-1	1.14
Compression set 70°C/24h	%	DIN ISO 815-1	24
Compression set 70°C/70h	%	DIN ISO 815-1	26
Compression set 100°C/24h	%	DIN ISO 815-1	43
Elongation at break	%	DIN53504	468
100% modulus	N/mm <sup>2</sup>	DIN53504	10.8
300% modulus	N/mm <sup>2</sup>	DIN53504	24.2
Rebound resilience	%	DIN53512	
Tear strength	N/mm	DIN53515	
Min. service temperature	°C		-50
Max. service temperature	°C		+105

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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