



# HPU taiga

Hydrolysis resistant polyurethane

Standard colour: night blue, similar RAL 5022

- Low temperature polyurethane
- Resistant to mineral oil, HETG=biological base and diluted acids and bases
- Applicable for Rod and Piston Seals, Wiper Seals, Rotary Seals, Static Seals and Backup Rings and Guide Rings

Properties	Value	Unit	DIN Standard
Hardness	95 ± 5	Shore A	DIN 53505
Hardness	48 ± 3	Shore D	DIN 53505
Density	1,14	g/cm <sup>3</sup>	DIN EN ISO 1183-1
Compression set 70°C/24h	24	%	DIN ISO 815-1
Compression set 70°C/70h	26	%	DIN ISO 815-1
Compression set 100°C/24h	43	%	DIN ISO 815-1
Elongation at break	468	%	DIN 53504
100% modulus	10,8	N/mm <sup>2</sup>	DIN 53504
300% modulus	24,2	N/mm <sup>2</sup>	DIN 53504
Rebound resilience		%	DIN 53512
Tear strength		N/mm	DIN 53515
min. service temperature	-50	°C	
max. service temperature	+105	°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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