

# HPU taiga

Hydrolysis-resistant Polyurethane

Standard colour: nightblue, similar to RAL 5022

- HPU for low temperature applications
- Resistant to mineral oils, HETG-fluids, diluted acids and bases
- Applicable for static seals, rod and piston seals, wiper seals and rotary seals

Properties	Value	Unit	DIN Standard
Hardness	94 ±3	Shore A	DIN ISO 7619-1
Hardness	47 ±3	Shore D	DIN ISO 7619-1
Density	1,162	g/cm <sup>3</sup>	DIN EN ISO 1183-1
100% Modulus	9,2	MPa	DIN 53504
300% Modulus	12,3	MPa	DIN 53504
Elongation at break	525	%	DIN 53504
Tensile strength	23,5	MPa	DIN 53504
Compression set 70°C/22h	26	%	DIN ISO 815-1
Compression set 70°C/70h	38	%	DIN ISO 815-1
Compression set 100°C/22h	21	%	DIN ISO 815-1
Rebound resilience	45	%	DIN ISO 4662:2017
Tear resistance	91	N/mm	DIN ISO 34-1 A
Abrasion resistance	75	mm <sup>3</sup>	DIN ISO 4649 B
min. Service temperature	-50	°C	
max. Service temperature	+115	°C	

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

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