

HPU Lubric

Hydrolysis-resistant Polyurethane, modified by lubricants

Standard colour: black

- HPU with lowered coefficient of friction
- Resistant to mineral oils, HFD-U and HETG-fluids, sour oils and gases, cold water as well as diluted acids and bases
- Applicable for static seals, rod and piston seals, wiper seals and rotary seals, backup rings

Properties	Value	Unit	DIN Standard
Hardness	94 ±5	Shore A	DIN ISO 7619-1
Hardness	49 ±3	Shore D	DIN ISO 7619-1
Density	1,195	g/cm ³	DIN EN ISO 1183-1
100% Modulus	11,8	MPa	DIN 53504
300% Modulus	22,8	MPa	DIN 53504
Elongation at break	464	%	DIN 53504
Tensile strength	40,9	MPa	DIN 53504
Compression set 70°C/22h	17	%	DIN ISO 815-1
Compression set 70°C/70h	30	%	DIN ISO 815-1
Compression set 100°C/22h	31	%	DIN ISO 815-1
Rebound resilience	32	%	DIN ISO 4662:2017
Tear resistance	94,0	N/mm	DIN ISO 34-1 A
Abrasion resistance	29	mm ³	DIN ISO 4649 B
min. Service temperature	-30	°C	
max. Service temperature	+110	°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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