HPU mellow

Hydrolysis-resistant Polyurethane

Standard colour: whitegreen, similar to RAL 6019

- HPU in softer setting, even though excellent machinable
- 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

Properties	Value	Unit	DIN Standard
Hardness	86 ±3	Shore A	DIN ISO 7619-1
Density	1,188	g/cm³	DIN EN ISO 1183-1
100% Modulus	6,5	MPa	DIN 53504
300% Modulus	33,3	MPa	DIN 53504
Elongation at break	355	%	DIN 53504
Tensile strength	44,2	MPa	DIN 53504
Compression set 23°C/70h	18	%	DIN ISO 815-1
Compression set 70°C/22h	17	%	DIN ISO 815-1
Compression set 70°C/70h	21	%	DIN ISO 815-1
Compressive modulus	15,1	MPa	Acc. Studer/Kunz
Rebound resilience	41	%	DIN ISO 4662:2017
Tear resistance	69	N/mm	DIN ISO 34-1 A
Abrasion resistance	51	mm³	DIN ISO 4649 B
min. Service temperature	-30	°C	
max. Service temperature	+95	°C	

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