



# HPU mellow

Hydrolysis resistant polyurethane

Standard colour: palegreen, similar RAL 6019

- Softer as well as easy machinable HPU
- Resistant against mineral oil, HFD-U, HETG=biological base, acid oils and gases, cold water and diluted acids and bases
- Applicable for Rod and Piston Seals, Wiper Seals and Static Seals

Properties	Value	Unit	DIN Standard
<b>Hardness</b>	85 ± 3	Shore A	DIN 53505
<b>Density</b>	1,15	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Compression set 70°C/24h</b>	41	%	DIN ISO 815-1
<b>Compression set 70°C/70h</b>		%	DIN ISO 815-1
<b>Compression set 100°C/24h</b>		%	DIN ISO 815-1
<b>Elongation at break</b>	580	%	DIN 53504
<b>100 % modulus</b>	6,2	MPa	DIN 53504
<b>300 % modulus</b>	12,7	MPa	DIN 53504
<b>Tensile strength</b>	36	MPa	DIN 53504
<b>Rebound resilience</b>	41	%	DIN 53512
<b>Tear strength</b>	99	N/mm	DIN 53515
<b>Abrasion</b>	34	mm <sup>3</sup>	DIN 53516
<b>min. service temperature</b>	-40	°C	
<b>max. service temperature</b>	+95	°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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