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HPU mellow

Hydrolyses resistant Polyurethane

Standard colour: **Pale Green**, similar RAL 6019

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

Properties	Unit	Din Standard	Value
Hardness	Shore A	DIN53505	85 ± 3
Density	g/cm ³	DIN EN ISO 1183-1	1.15
Compression set 70°C/24h	%	DIN ISO 815-1	41
Compression set 70°C/70h	%	DIN ISO 815-1	
Compression set 100°C/24h	%	DIN ISO 815-1	
Elongation at break	%	DIN53504	580
100% modulus	MPa	DIN53504	6.2
300% modulus	MPa	DIN53504	12.7
Tensile strength	MPa	DIN53504	36
Rebound resilience	%	DIN53512	41
Tear strength	N/mm	DIN53515	99
Abrasion	mm ³	DIN53516	34
Min. service temperature	°C		-40
Max. service temperature	°C		+95

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.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered, and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.