



HPU diet sanitary

Hydrolyses resistant Polyurethane

Standard: **Transparent**

- Food compliant HPU
- Resistant against mineral oil, 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	95 ± 5
Hardness	Shore D	DIN53505	48 ± 3
Density	g/cm ³	DIN EN ISO 1183-1	1.18
Compression set 70°C/24h	%	DIN ISO 815-1	
Compression set 70°C/70h	%	DIN ISO 815-1	28
Compression set 100°C/24h	%	DIN ISO 815-1	
Elongation at break	%	DIN53504	546
100% modulus	N/mm ²	DIN53504	
300% modulus	N/mm ²	DIN53504	
Rebound resilience	%	DIN53512	
Tear strength	N/mm	DIN53515	
Min. service temperature	°C		-40
Max. service temperature	°C		+100

Confirmation according FDA

All single components used for compound named **HPU Premium** are listed on Code of Federal Regulation of U.S Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: **21CFR 175.105, 21CFR 177.1390, 21 CFR 177.1680**

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.