

HPU premium

Hydrolyses resistant polyurethane

Standard colour: red, similar RAL 3020

- 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, static seals, backup rings and guide rings

Properties	Value	Unit	DIN Standard
Hardness	94 ± 3	Shore A	DIN 53505
Hardness	49 ± 3	Shore D	DIN 53505
Density	1,21	g/cm ³	DIN EN ISO 1183-1
Compression set 70°C/24h	20	%	DIN ISO 815-1
Compression set 70°C/70h	22	%	DIN ISO 815-1
Compression set 100°C/24h	27	%	DIN ISO 815-1
Elongation at break	382	%	DIN 53504
100 % modulus	15,3	N/mm ²	DIN 53504
300 % modulus	44,5	N/mm ²	DIN 53504
Rebound resilience	39	%	DIN 53512
Tear strength	40,1	N/mm	DIN 53515
min. service temperature	-30	°C	
max. service temperature short	+125	°C	
max. service temperature constant	+110	°C	

Confirmation according FDA

Hereby we, M. Wilhelmsen A/S, confirm, that all single components used for our 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 177.1680**