



PU Hydrolysis Resistant Polyurethane

PU93A RED

- Resistant to 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

Mechanical, Physical and Thermal Properties

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
Minimum Service Temperature	-30	°C	
Maximum Service Temperature (Short)	+ 125	°C	214
Maximum Service Temperature (Constant)	+ 110	°C	

