

STANDARD MATERIAL POLYURETHANES



seal-mart® XHPU

(hard hydrolysis resistant polyurethane)

physical properties	unit	value	standard
color		dark red	
specific gravity	g/cm ³	1,22	DIN EN ISO 1183-1
hardness	shore A	97 ± 1	DIN 53 505

mechanical properties	unit	value	standard
compression set: 100°C / 24 hours 25 % def	%	≤ 30	
elongation at break	%	≥ 350	DIN 53 504
tensile strength	MPa (N/mm ²)	≥ 50	DIN 53 504
tear strength	kN/m	≥ 170	DIN ISO 34-1

thermal properties	unit	value
service temp min	°C	-20
service temp max	°C	+110

chemical properties
resistance to oil, hot water, hot air, ozone, sythetic & native esters
not resistance to concentrated (acids, lyes, alcohols & aromatic solvents)

the mentioned data are only valid for test pieces of the corresponding ISO, DIN and ASTM standards and cannot be directly related to gaskets and joints. all values which are not marked are typical values which are only tested on selected samples based on our our experience and knowledge of typical applications of this product, and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such product.

