



Material data sheet

H-PU Hardness 55 Sh D yellow

Hydrolysis resistant, thermoplastic polyurethane
Resistant to: oil, petrol, hot water, microbes

<i>Properties</i>	<i>Condition</i>	<i>Standard</i>	<i>Unit</i>			
Colour				yellow		
Hardness	23°C	ISO 868	Shore D	55+/-3	Shore D	55+/-3
Modulus 100%	23°C	ISO 868	MPa	20	Psi	2900
Modulus 300%	23°C	DIN 53 504	MPa	35	Psi	5075
Tensile strength	23°C	DIN 53 504	MPa	45	Psi	6530
Elongation at break	23°C	DIN 53 504	%	340	%	340
Tear strength	23°C	DIN ISO 34-1	kN/m	110	Lbf/inch	630
Spec. Gravity	23°C	ISO 1183	kg/m³	1210	g/cm³	1,21
Abrasion	23°C	DIN 53 516	mm³	25	mm³	25
Compression set	*	ISO 815	%	30	%	30
Compression set	**	ISO 815	%	35	%	35
Minimum service temperature			°C	-20	°F	-4
Maximum service temperature			°C	115	°F	240
*24h 70°C 25% deflection				**24h 100°C 25% deflection		

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.

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