



Material data sheet H-PU red, blue, green, white

Hydrolysis resistant thermoplastic polyurethane

Resistant to: oil, petrol, hot water, hot air, ozone, synthetic and native esters

<i>Properties</i>	<i>Condition</i>	<i>Standard</i>	<i>Unit</i>			
Colour				Red, blue, green, white		
Hardness	23°C	ISO 868	Shore A	95+/-2	Shore A	95+/-2
Hardness	23°C	ISO 868	Shore D	48+/-3	Shore D	48+/-3
Modulus 100%	23°C	DIN 53 504	MPa	15	Psi	2175
Modulus 300%	23°C	DIN 53 504	MPa	28	Psi	4160
Tensile strength	23°C	DIN 53 504	MPa	50	Psi	7250
Elongation at break	23°C	DIN 53 504	%	350	%	350
Tear strength	23°C	DIN ISO 34-1 Methode B	kN/m	110	Lbf/inch	570
Spec. Gravity	23°C	ISO 1183	Kg/m³	1200	g/cm³	1,2
Abrasion	23°C	DIN 53 516	mm³	17	mm³	17
Compression set	*	ISO 815	%	27	%	27
Compression set	**	ISO 815	%	33	%	33
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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