Generic PUR-MDI

Polyurethane (MDI)

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PUR-MDI
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.0450 to 1.25	g/cm³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40 to 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	28 to 76		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break, 23°C	3.79 to 24.5	MPa	
23°C	0.0870 to 0.161	MPa	
Tensile Elongation (Break, 23°C)	4.2 to 11	%	ASTM D638
Flexural Modulus (23°C)	103 to 1590	MPa	ASTM D790
Flexural Strength (23°C)	6.55 to 49.9	MPa	ASTM D790
Compressive Strength (23°C)	1.48 to 10.6	MPa	ASTM D695
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	1.20 to 5.42	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	170 to 420	%	ASTM D412
Tear Strength (23°C)	0.123 to 19.8	kN/m	ASTM D624
Bayshore Resilience	17 to 81	%	ASTM D2632
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	3.8 to 25	kJ/m²	ISO 179
Notched Izod Impact (23°C)	11 to 110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	69.8 to 109	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity	297 to 778	cP	ASTM D2393
Fill Analysis	Nominal Value	Unit	Test Method
Melt Density (23°C)	1.05 to 1.08	g/cm³	

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