

Generic PUR-Ether/MDI

Polyurethane (Polyether, MDI)

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998 to 1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.59 to 1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	39 to 98		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	13.0 to 38.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0 to 150	%	ASTM D638
Flexural Modulus (23°C)	20.7 to 1230	MPa	ASTM D790
Compressive Strength (23°C)	0.0269 to 1.43	MPa	ASTM D695
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain, 23°C	2.35 to 19.3	MPa	
300% Strain, 23°C	8.43 to 21.2	MPa	
Tensile Strength			ASTM D412
Break, 23°C	15.0 to 24.8	MPa	
23°C	15.9 to 51.7	MPa	
Tensile Elongation (Break, 23°C)	110 to 600	%	ASTM D412
Tear Strength			
23°C	40.7 to 124	kN/m	ASTM D624
Split	22	kN/m	ASTM D470
Compression Set	4.0 to 51	%	ASTM D395
Bayshore Resilience	43 to 65	%	ASTM D2632
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	260 to 270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	1.1E-4 to 1.7E-4	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	1.5 to 8.9	min	
Thermoset Mix Viscosity	344 to 759	cP	ASTM D2393
Demold Time	0.38 to 1400	min	
Post Cure Time	3.5 to 24	hr	

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