

Generic PUR-Ether/TDI

Polyurethane (Polyether, TDI)

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.04 - 1.21	g/cm ³	ASTM D792
--	1.08 - 1.18	g/cm ³	ASTM D1505
Apparent Density	1.02 - 1.21	g/cm ³	ASTM D1895
Molding Shrinkage - Flow (23°C)	1.2 - 1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	47 - 95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break, 23°C)	220 - 700	%	ASTM D638
Compressive Strength (23°C)	0.421 - 16.1	MPa	ASTM D695
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain, 23°C	1.61 - 35.5	MPa	ASTM D412
200% strain, 23°C	32.4 - 45.7	MPa	ASTM D412
300% strain, 23°C	2.52 - 48.3	MPa	ASTM D412
Tensile Strength			ASTM D412
Yield, 23°C	13.6 - 62.1	MPa	ASTM D412
Fracture, 23°C	12.3 - 62.7	MPa	ASTM D412
23°C	20.1 - 52.1	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	180 - 590	%	ASTM D412
Tear Strength			
23°C	26.3 - 196	kN/m	ASTM D624
Cracking	15	kN/m	ASTM D470
Compression Set	23 - 46	%	ASTM D395
Bayshore Resilience	29 - 73	%	ASTM D2632
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0 - -62.8	°C	ASTM D746
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	0.88 - 10	min	
Thermoset Mix Viscosity	120 - 3290	cP	ASTM D2393
Demold Time	5.0 - 77	min	

Post Cure Time	14 - 18	hr
Injection	Nominal Value	Unit
Mold Temperature	61.1 - 109	°C
Injection instructions		

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