

Generic PUR-Ester/TDI

Polyurethane (Polyester, TDI)

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.15 - 1.26	g/cm ³	ASTM D792
--	1.21 - 1.27	g/cm ³	ASTM D1505
Molding Shrinkage - Flow (23°C)	1.1 - 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	50 - 97		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	44.8 - 62.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	280 - 710	%	ASTM D638
Compressive Strength (23°C)	0.621 - 14.2	MPa	ASTM D695
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain, 23°C	1.51 - 12.2	MPa	ASTM D412
300% strain, 23°C	1.55 - 18.5	MPa	ASTM D412
Tensile Strength			ASTM D412
Yield, 23°C	49.5 - 59.5	MPa	ASTM D412
Fracture, 23°C	37.8 - 54.0	MPa	ASTM D412
23°C	48.1 - 50.7	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	390 - 730	%	ASTM D412
Tear Strength			
23°C	40.3 - 134	kN/m	ASTM D624
Cracking	17	kN/m	ASTM D470
Compression Set	1.0 - 38	%	ASTM D395
Bayshore Resilience	27 - 40	%	ASTM D2632
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	1.0 - 13	min	
Thermoset Mix Viscosity	380 - 3250	cP	ASTM D2393
Demold Time	20 - 1400	min	
Post Cure Time	6.0 - 78	hr	
Injection	Nominal Value	Unit	
Mold Temperature	104 - 113	°C	

Injection instructions

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