

Generic PUR-Ester/MDI

Polyurethane (Polyester, MDI)

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 - 1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	49 - 97		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength (23°C)	0.172 - 6.91	MPa	ASTM D695
Taber Abrasion Resistance (23°C)	3.50 - 29.5	mg	ASTM D1044
Films	Nominal Value	Unit	Test Method
Trouser Tear Resistance	17.5 - 68.3	N/mm	ISO 6383-1
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain, 23°C	0.758 - 12.9	MPa	ASTM D412
300% strain, 23°C	1.21 - 25.2	MPa	ASTM D412
Tensile Strength			ASTM D412
Yield, 23°C	16.2 - 51.7	MPa	ASTM D412
Fracture, 23°C	12.3 - 52.6	MPa	ASTM D412
23°C	18.7 - 53.8	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	340 - 750	%	ASTM D412
Tear Strength			
23°C	15.8 - 139	kN/m	ASTM D624
Cracking	20	kN/m	ASTM D470
Compression Set	22 - 53	%	ASTM D395
Bayshore Resilience	25 - 57	%	ASTM D2632
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	1.0 - 14	min	
Thermoset Mix Viscosity	350 - 859	cP	ASTM D2393
Demold Time	1.0 - 1400	min	
Post Cure Time	16 - 20	hr	
Injection	Nominal Value	Unit	
Mold Temperature	100 - 125	°C	
Injection instructions			

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