

Generic TS, Unspecified

Thermoset, Unspecified

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02 to 1.81	g/cm ³	ASTM D792
Apparent Density	1.00 to 1.51	g/cm ³	ASTM D1895
Bulk Factor	1.0		ASTM D1895
Molding Shrinkage - Flow (23°C)	0.097 to 0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10 to 0.22	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	24 to 85		ASTM D2240
Barcol Hardness	40 to 41		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	317 to 13800	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	1.39 to 8.27	MPa	
23°C	18.3 to 159	MPa	
Tensile Elongation (Yield, 23°C)	3.4 to 700	%	ASTM D638
Flexural Modulus (23°C)	2170 to 13800	MPa	ASTM D790
Flexural Strength (23°C)	65.2 to 163	MPa	ASTM D790
Compressive Strength (23°C)	0.0621 to 221	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	12 to 770	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	46.2 to 260	°C	ASTM D648
CLTE - Flow	2.2E-5 to 8.6E-4	cm/cm/°C	ASTM D696
Thermal Conductivity (23°C)	0.15 to 0.19	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	7.9E+11 to 1.9E+15	ohms · cm	ASTM D257
Dielectric Strength (23°C)	11 to 86	kV/mm	ASTM D149
Dielectric Constant (23°C)	2.59 to 3.58		ASTM D150
Dissipation Factor (23°C)	4.0E-4 to 2.9E-3		ASTM D150
Arc Resistance	50.0 to 181	sec	ASTM D495
Thermoset	Nominal Value	Unit	Test Method
Shelf Life (23°C)	26 to 52	wk	

Thermoset Mix Viscosity	35.0 to 9030	cP	ASTM D2393
Demold Time	1400 to 4300	min	

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