

Generic Epoxy - Unspecified

Epoxy; Epoxide

Generic

Message:

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

General Information			
Filler / Reinforcement		Filler	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28 to 2.19	g/cm ³	ASTM D792
Apparent Density	1.50 to 1.62	g/cm ³	ASTM D1895
Molding Shrinkage - Flow (23°C)	0.13 to 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	64 to 90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	11.3 to 58.4	MPa	ASTM D638
Flexural Strength (Yield, 23°C)	46.9 to 90.3	MPa	ASTM D790
Compressive Strength (23°C)	70.7 to 137	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	130 to 155	°C	ASTM D794
CLTE - Flow	2.2E-5 to 9.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15 to 6.0E+17	ohms	ASTM D257
Volume Resistivity (23°C)	7.0E+12 to 5.0E+15	ohms·cm	ASTM D257
Dielectric Strength (23°C)	15	kV/mm	ASTM D149
Dielectric Constant (23°C)	4.10 to 5.76		ASTM D150
Dissipation Factor (23°C)	4.0E-3 to 0.036		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	30 to 490	min	
Thermoset Mix Viscosity	2000 to 12200	cP	ASTM D2393
Demold Time	95 to 1400	min	
Uncured Properties	Nominal Value	Unit	Test Method
Amber			
Black			
Colorless			
Color			

Density (23°C)	0.938 to 2.09	g/cm ³
Viscosity (23°C)	0.010 to 18	Pa·s

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