

# Generic Epoxy - Mineral

Epoxy; Epoxide

Generic

Message:

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

General Information			
Filler / Reinforcement	Mineral		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59 to 2.07	g/cm <sup>3</sup>	ASTM D792
Apparent Density	0.80 to 0.91	g/cm <sup>3</sup>	ASTM D1895
Molding Shrinkage - Flow (23°C)	0.24 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	34.5 to 90.0	MPa	ASTM D638
Flexural Modulus (23°C)	13600 to 20000	MPa	ASTM D790
Flexural Strength (Break, 23°C)	119 to 150	MPa	ASTM D790
Compressive Strength (23°C)	110 to 272	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	19	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	225 to 236	°C	
1.8 MPa, Annealed	275 to 282	°C	
CLTE - Flow			
--	1.8E-5 to 4.0E-5	cm/cm/°C	ASTM D696
--	2.2E-5 to 2.4E-5	cm/cm/°C	ASTM E831
Thermal Conductivity (23°C)	0.70 to 0.72	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	13 to 18	kV/mm	ASTM D149
Dielectric Constant (23°C)	3.74 to 5.31		ASTM D150
Dissipation Factor (23°C)	6.0E-3 to 0.020		ASTM D150
Arc Resistance	180 to 181	sec	ASTM D495

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

