

Generic Phenolic - Glass\Mineral

Phenolic

Generic

Message:

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

General Information			
Filler / Reinforcement	Glass\Mineral		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.80 to 2.10	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	0.096 to 0.20	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.020 to 0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10000 to 30000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	50.0 to 100	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.34 to 0.46	%	ISO 527-2
Flexural Modulus (23°C)	8000 to 25100	MPa	ISO 178
Flexural Stress (23°C)	103 to 181	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.7 to 5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	5.0 to 14	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	189 to 224	°C	ISO 75-2/A
CLTE - Flow	1.7E-5 to 2.5E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Electric Strength (23°C)	25 to 30	kV/mm	IEC 60243-1

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