

Generic PF - Glass Fiber

Phenol Formaldehyde Resin

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PF - Glass Fiber

This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.59 to 1.72	g/cm ³	ISO 1183
Apparent Density	0.61 to 1.00	g/cm ³	ISO 60
Molding Shrinkage (23°C)	0.041 to 0.51	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	10100 to 13500	MPa	ISO 178
Flexural Stress (23°C)	124 to 143	MPa	ISO 178
Compressive Stress (23°C)	175 to 325	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0 to 4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	6.0 to 15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (8.0 MPa, Unannealed)	150 to 190	°C	ISO 75-2/C
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.6E+10 to 5.0E+11	ohms	IEC 60093
Volume Resistivity (23°C)	9.6E+11 to 5.0E+12	ohms·cm	IEC 60093
Electric Strength (23°C)	24 to 30	kV/mm	IEC 60243-1
Relative Permittivity (23°C)	7.10		IEC 60250
Dissipation Factor (23°C)	0.048 to 0.20		IEC 60250

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