

Generic PF

Phenol Formaldehyde Resin

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.41 to 1.50	g/cm ³	ISO 1183
Apparent Density	0.58 to 0.88	g/cm ³	ISO 60
Molding Shrinkage (23°C)	0.35 to 0.90	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	6500 to 9110	MPa	ISO 178
Flexural Stress (23°C)	84.9 to 95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.3 to 1.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	6.0 to 7.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (8.0 MPa, Unannealed)	105 to 116	°C	ISO 75-2/C
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+11	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+11 to 1.0E+12	ohms·cm	IEC 60093
Relative Permittivity (23°C)	12.0		IEC 60250
Dissipation Factor (23°C)	0.25 to 0.30		IEC 60250

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