

Generic PPE+PS - Unspecified

Polyphenylene Ether + PS

Generic

Message:

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This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement		Filler	
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.14 - 1.43	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	0.22 - 0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	46.0 - 81.4	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0 - 2.2	%	ISO 527-2
Flexural Modulus (23°C)	2410 - 8500	MPa	ISO 178
Flexural Stress (23°C)	86.2 - 151	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.8 - 6.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	100 - 120	°C	ASTM D648
1.8 MPa, not annealed	96.9 - 119	°C	ISO 75-2/A
CLTE - Flow	2.9E-5 - 6.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.8E+15 - 1.0E+16	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+16 - 1.1E+16	ohms · cm	IEC 60093
Dielectric Constant (23°C)	3.00 - 3.41		IEC 60250
Dissipation Factor (23°C)	2.8E-3 - 9.0E-3		IEC 60250
Injection	Nominal Value	Unit	
Drying Temperature	94.3 - 106	°C	
Drying Time	3.0 - 3.5	hr	
Processing (Melt) Temp	270 - 275	°C	
Mold Temperature	65.0 - 80.8	°C	
Injection instructions			

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