

Generic PPE+PS - Glass\Mineral

Polyphenylene Ether + PS

Generic

Message:

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

General Information			
Filler / Reinforcement	Glass \Mineral		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19 - 1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.15 - 0.28	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.060 - 0.080	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	83 - 90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	72.4 - 127	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	1.5 - 2.1	%	ASTM D638
Flexural Modulus (23°C)	6550 - 10500	MPa	ASTM D790
Coefficient of Friction	0.40 - 0.55		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50 - 96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110 - 125	°C	ASTM D648
CLTE - Flow	2.2E-5 - 2.4E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.8E+16 - 1.0E+17	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	107 - 110	°C	
Drying Time	3.5 - 3.6	hr	
Rear Temperature	250 - 283	°C	
Middle Temperature	270 - 291	°C	
Front Temperature	290 - 299	°C	
Nozzle Temperature	304 - 305	°C	
Processing (Melt) Temp	289 - 305	°C	
Mold Temperature	90.0 - 90.8	°C	
Injection instructions			

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