

Generic PPE - Glass Fiber

Polyphenylene Ether

Generic

Message:

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 - 1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.20 - 0.31	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.060 - 0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6750 - 9060	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	97.1 - 111	MPa	ASTM D638
23°C	48.3 - 110	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.5 - 8.1	%	ASTM D638
Flexural Modulus (23°C)	3620 - 9300	MPa	ASTM D790
Flexural Strength (23°C)	56.5 - 159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	56 - 110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	330 - 550	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	133 - 150	°C	ASTM D648
Vicat Softening Temperature	118 - 200	°C	ISO 306
Injection	Nominal Value	Unit	
Drying Temperature	99.8 - 100	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	264 - 280	°C	
Middle Temperature	273 - 300	°C	
Front Temperature	274 - 300	°C	
Mold Temperature	69.1 - 112	°C	
Injection Pressure	103 - 200	MPa	
Injection instructions			

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Recommended distributors for this material

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