

Generic PS (GPPS) - Glass Fiber

General Purpose Polystyrene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PS (GPPS) - 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 - 1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.095 - 0.25	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.049 - 0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2960 - 11700	MPa	ASTM D638
Tensile Strength (23°C)	11.0 - 82.7	MPa	ASTM D638
Flexural Modulus (23°C)	3320 - 8490	MPa	ASTM D790
Flexural Strength (23°C)	49.6 - 128	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21 - 62	J/m	ASTM D256
Unnotched Izod Impact (23°C)	130 - 220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	81.5 - 108	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+11 - 1.0E+16	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.1 - 82.2	°C	
Drying Time	2.0	hr	
Mold Temperature	51.7 - 54.4	°C	
Injection Pressure	86.2 - 86.6	MPa	
Injection instructions			

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Recommended distributors for this material

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