

Voxel B12GF45

Polybutylene Terephthalate

Custom Resins Group

Message:

45% glass fiber reinforced PBT resin
Designed for maximum stiffness combined with the inherent heat resistance and electrical properties typical of PBT type resins
Suitable for such applications as brackets and levers as well as electrical connectors and coil bobbins

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Good Electrical Properties		
	High Heat Resistance		
	High Stiffness		
Uses	Connectors		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.67	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	152	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	210	°C	
Peak Melting Temperature	227	°C	ASTM D3418

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