

Voxel PBT B50GF15

Polybutylene Terephthalate

Custom Resins Group

Message:

High-flow 15% glass fiber reinforced PBT polyester resin
Has the high chemical and heat resistance of PBT combined with improved strength and stiffness
Suitable for levers, electrical connectors, housings and other parts which have long flow lengths or thin wall sections

General Information	
Filler / Reinforcement	Glass Fiber,15% Filler by Weight
Features	Good Chemical Resistance
	Good Stiffness
	Good Strength
	High Flow
	High Heat Resistance
Uses	Connectors
	Housings
	Thin-walled Parts

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	89.6	MPa	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	204	°C	
1.8 MPa, Unannealed	182	°C	
Peak Melting Temperature	227	°C	ASTM D3418

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