

# Voxel PBT B12GF15 FR

Polybutylene Terephthalate

Custom Resins Group

Message:

15% glass reinforced, flame retardant PBT resin  
Has improved strength and stiffness, with inherent heat resistance and electrical properties, combined with a flame retardant package  
Suitable for such applications as appliance and tool housings as well as electrical connectors and coil bobbins

General Information	
Filler / Reinforcement	Glass Fiber,15% Filler by Weight
Additive	Flame Retardant
Features	Flame Retardant
	Good Electrical Properties
	Good Stiffness
	Good Strength
Uses	Appliance Components
	Connectors
	Housings

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm <sup>3</sup>	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	4830	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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