

Voxel PBT B12GF30 FR

Polybutylene Terephthalate

Custom Resins Group

Message:

Flame retarded, glass fiber-reinforced poly(butylene terephthalate) (PBT) with good moldability and UL recognition

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Moldability		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	191	°C	
Peak Melting Temperature	227	°C	ASTM D3418

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
0.750 mm	V-2	
1.50 mm	V-0	

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Recommended distributors for this material

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