

Edgetek™ PS-20GF/000 NATURAL

Polybutylene Terephthalate

PolyOne Corporation

Message:

Edgetek™ PS-20GF/000 NATURAL is a Polybutylene Terephthalate (PBT) product filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Edgetek™ PS-20GF/000 NATURAL include appliances, automotive, consumer goods, engineering/industrial parts and food contact applications.

Characteristics include:

Chemical Resistant

Crystalline

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Chemical Resistance		
	High Heat Resistance		
	Semi Crystalline		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Consumer Applications		
	Housings		
	Industrial Applications		
	Structural Parts		
Agency Ratings	FDA Unspecified Rating		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	0.30 to 0.50	%	
Across Flow : 3.18 mm	1.3 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	6760	MPa	ASTM D638
Tensile Strength ² (Break)	96.5	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 5.0	%	ASTM D638
Flexural Modulus ³	6000	MPa	ASTM D790
Flexural Strength ⁴	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	219	°C
1.8 MPa, Unannealed	182	°C
NOTE		
1.	5.1 mm/min	
2.	5.1 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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