

Edgetek™ X PS-154200101 WHITE

Polybutylene Terephthalate

PolyOne Corporation

Message:

Edgetek™ X PS-154200101 WHITE is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Latin America or North America. Applications of Edgetek™ X PS-154200101 WHITE include appliances, automotive, consumer goods, engineering/industrial parts and housings.

Characteristics include:

Chemical Resistant

Crystalline

Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	High Heat Resistance		
	Impact Modified		
	Semi Crystalline		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Consumer Applications		
	Housings		
	Industrial Applications		
	Sporting Goods		
	Structural Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	0.30 to 0.60	%	
Across Flow : 3.18 mm	1.3 to 2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	6890	MPa	ASTM D638
Tensile Strength ² (Break)	82.7	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 5.0	%	ASTM D638
Flexural Modulus ³	6620	MPa	ASTM D790
Flexural Strength ⁴	134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	245	°C	ASTM D648
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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