

BLUESTAR® PBT 203G30

Polybutylene Terephthalate
Nantong Zhonglan Engineering Plastics Co., Ltd.

Message:
BLUESTAR® PBT 203G30 is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Asia Pacific or North America. Typical application: Engineering/Industrial Parts. Primary characteristic: flame rated.

General Information			
UL YellowCard	E255317-101247718		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Thin-walled Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	105	MPa	ASTM D638
Flexural Modulus	8900	MPa	ASTM D790
Flexural Strength	163	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	11.0	kJ/m ²	ASTM D256
Unnotched Izod Impact (Area) (23°C)	45.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	203	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.380 mm	V-0		
0.800 mm	V-0		
1.60 mm	V-0		

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