

BLUESTAR® PBT 403M-G20

Polybutylene Terephthalate

Nantong Zhonglan Engineering Plastics Co., Ltd.

Message:

BLUESTAR® PBT 403M-G20 is a Polybutylene Terephthalate (PBT) product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Processability
- High Flow

General Information			
UL YellowCard	E255317-500386		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
	Good Processability		
	High Flow		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52 to 1.58	g/cm ³	ASTM D792
Ash Content	20.0 to 24.0		ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	85.0	MPa	ASTM D638
Tensile Elongation ² (Break)	1.8	%	ASTM D638
Flexural Modulus ³	6800	MPa	ASTM D790
Flexural Strength ⁴	135	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	5.50	kJ/m ²	ASTM D256
Unnotched Izod Impact (Area) (23°C)	48.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	195	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (in oil)	18	kV/mm	ASTM D149
Dielectric Constant (50 Hz)	3.40		ASTM D150
Dissipation Factor			ASTM D150
50 Hz	0.020		

60 Hz	0.020		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	3.0 to 4.0	hr	
Nozzle Temperature	240	°C	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	70.0 to 120	MPa	
Back Pressure	6.00 to 18.0	MPa	
Screw Speed	< 100	rpm	
NOTE			
1.	10 mm/min		
2.	10 mm/min		
3.	10 mm/min		
4.	10 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT