

Shinite® PBT D201G30

Polybutylene Terephthalate
Shinkong Synthetic Fiber Corp.

Message:

Shinite® PBT D201G30 is a Polybutylene Terephthalate (PBT) material filled with 30% glass fiber. It is available in North America.
Important attributes of Shinite® PBT D201G30 are:
Flame Rated
Chemical Resistant
Good Dimensional Stability

General Information			
UL YellowCard	E107536-218538	E107536-524654	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Electrical Properties		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 1.4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11900	MPa	ASTM D638
Tensile Strength	125	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	8480	MPa	ASTM D790
Flexural Strength	189	MPa	ASTM D790
Compressive Strength	157	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	208	°C	ASTM D648
Melting Temperature	224	°C	DSC
CLTE - Flow	3.1E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength	29	kV/mm	ASTM D149

Dielectric Constant	2.20		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Suggested Max Regrind	25	%	
Rear Temperature	232 to 260	°C	
Middle Temperature	232 to 260	°C	
Front Temperature	232 to 260	°C	
Processing (Melt) Temp	241 to 260	°C	
Mold Temperature	60.0 to 121	°C	

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Recommended distributors for this material

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