

Tufpet PBT G2130

Polybutylene Terephthalate
Mitsubishi Rayon America Inc.

Message:

Tufpet PBT G2130 is a Polybutylene Terephthalate (PBT) material filled with 40% mineral. It is available in North America for injection molding. Important attributes of Tufpet PBT G2130 are:

- Flame Rated
- Flame Retardant
- Chemical Resistant
- Good Dimensional Stability
- Good Processability

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Electrical Properties		
	Good Moldability		
	High Gloss		
	High Heat Resistance		
	Low to No Water Absorption		
	Low Warpage		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.8	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	5390	MPa	ASTM D790
Flexural Strength	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	29	J/m	ASTM D256
Unnotched Izod Impact	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	185	°C	
1.8 MPa, Unannealed	105	°C	

RTI Elec			UL 746
0.760 mm	75.0	°C	
1.47 mm	75.0	°C	
3.10 mm	75.0	°C	
RTI Imp			UL 746
0.760 mm	75.0	°C	
1.47 mm	75.0	°C	
3.10 mm	75.0	°C	
RTI Str			UL 746
0.760 mm	75.0	°C	
1.47 mm	75.0	°C	
3.10 mm	75.0	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	3.80		ASTM D150
Dissipation Factor (1 MHz)	0.020		ASTM D150
Arc Resistance	61.0	sec	ASTM D495
Comparative Tracking Index (CTI)	275	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.760 mm	V-2		
1.47 mm	V-0		
3.10 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	140	°C	
Drying Time	2.0	hr	
Rear Temperature	230 to 260	°C	
Middle Temperature	230 to 260	°C	
Front Temperature	230 to 260	°C	
Mold Temperature	40.0 to 100	°C	
Injection Pressure	81.4	MPa	
Screw Speed	80	rpm	

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Recommended distributors for this material

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