POBUX 3001G10

Polybutylene Terephthalate

POLYROCKS CHEMICAL CO., LTD

Message:

POBUX 3001G10 is a Polybutylene Terephthalate (PBT) product filled with 10% glass fiber. It is available in Asia Pacific. Typical application:
Electrical/Electronic Applications.
Characteristics include:
Flame Rated
Flame Retardant
Good Dimensional Stability
Rigid

General Information	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight
Features	Flame Retardant
	Good Dimensional Stability
	High Rigidity
Uses	Electrical Parts
	Electrical/Electronic Applications
UL File Number	E253482

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	95.0	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus	4200	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	75	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	200	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Injection	**Nominal Value**	**Unit**	

Drying Temperature	120	°C
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	70.0 to 90.0	°C

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