

Beijing Chemical Industry KAIFA® 301-G15 PBT Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

15% glass fiber reinforced, flame retardant Information provided by Beijing Chemical Industry Research Institute (Group)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Beijing-Chemical-Industry-KAIFA-301-G15-PBT-Resin.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ASTM D792
Water Absorption	0.080 %	0.080 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	88.0 MPa	12800 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	140 MPa	20300 psi	ASTM D790
Flexural Modulus	5.00 GPa	725 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm @Thickness 3.20 mm	0.937 ft-lb/in @Thickness 0.126 in	ASTM D256
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	ISO179
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO179

Thermal Properties	Metric	English	Comments
CTE, linear	38.0 μm/m-°C @Temperature -30.0 - 30.0 °C	21.1 μin/in-°F @Temperature -22.0 - 86.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Dissipation Factor	0.020	0.020	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China