

Asia International Enterprise (Hong Kong) 30G3F Polybutylene terephthalate, 15% Glass Fiber Filled

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

Material Notes:

Information provided by Asia International Enterprise (Hong Kong) Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asia-International-Enterprise-Hong-Kong-30G3F-Polybutylene-terephthalate-15-Glass-Fiber-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D792
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Filler Content	15 %	15 %	
Linear Mold Shrinkage	0.0050 - 0.012 cm/cm	0.0050 - 0.012 in/in	ASTM D955
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 250 °C	@Load 4.76 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	98.1 MPa	14200 psi	5mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	5mm/min; ASTM D638
Flexural Strength	152 MPa	22000 psi	2.8mm/min; ASTM D790
Flexural Modulus	5.88 GPa	853 ksi	2.8mm/min; ASTM D790
Izod Impact, Notched	0.588 J/cm	1.10 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	230 - 265 °C	446 - 509 °F	Cylinder Temperature
Mold Temperature	50.0 - 100 °C	122 - 212 °F	
Drying Temperature	120 - 140 °C	248 - 284 °F	
Dry Time	3 - 5 hour	3 - 5 hour	

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