

Asia International Enterprise (Hong Kong) 3010F Polybutylene terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

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-3010F-Polybutylene-terephthalate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Filler Content	0.00 %	0.00 %	
Linear Mold Shrinkage	0.011 - 0.018 cm/cm	0.011 - 0.018 in/in	ASTM D955
Melt Flow	25 g/10 min	25 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	60.8 MPa	8820 psi	5mm/min; ASTM D638
Elongation at Break	20 %	20 %	5mm/min; ASTM D638
Flexural Strength	98.1 MPa	14200 psi	2.8mm/min; ASTM D790
Flexural Modulus	2.75 GPa	398 ksi	2.8mm/min; ASTM D790
Izod Impact, Notched	0.392 J/cm	0.735 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 1.8 MPa (264 psi)	80.0 °C	176 °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	225 - 245 °C	437 - 473 °F	Cylinder Temperature
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	

Drying Temperature Processing Properties	100 - 120 °C Metric	212 - 248 °F English	Comments
Dry Time	3 - 5 hour	3 - 5 hour	

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