Eurotec® Tecopet® PT74 CR20 BK111 PR PET, 20% carbon fiber reinforced, black, fast crystallization grade

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , PET + Carbon Fiber

Material Notes:

Information provided by Eurotec®

Order this product through the following link:
http://www.lookpolymers.com/polymer_Eurotec-Tecopet-PT74-CR20-BK111-PR-PET-20-carbon-fiber-reinforced-black-fast-crystallization-grade.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in³	ISO 1183
Moisture Absorption	0.200 % @Temperature 23.0 °C	0.200 % @Temperature 73.4 °F	50% RH; ISO 960

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	15.0 GPa	2180 ksi	ISO 527
Izod Impact, Notched (ISO)	8.00 kJ/m² @Temperature 23.0 °C	3.81 ft-lb/in² @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	250 °C	482 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ISO 75
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 10000 ohm-cm	<= 10000 ohm-cm	IEC 60093

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 290 °C	518 - 554 °F	

Processing Properties	Metric	English	Comments
Feed Temperature	50.0 - 70.0 °C	122 - 158 °F	Throat
Mold Temperature	90.0 - 120 °C	194 - 248 °F	
Drying Temperature	120 - 140 °C	248 - 284 °F	
Dry Time	4.00 hour	4.00 hour	
Moisture Content	<= 0.080 %	<= 0.080 %	ISO 960
Hold Pressure	60.0 - 100 MPa	8700 - 14500 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Fast	

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