

Entec Hylox® 9230BK PBT, 30% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Entec's proprietary products include a full range of compounds in the Nylon 6/6, Nylon 6, ABS, PBT, Polycarbonate, PC/ABS, PC/ASA, PC/PBT, and PPO/PPE resin families. Information provided by Entec.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hylox-9230BK-PBT-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	ASTM D638
Flexural Strength	169 MPa	24500 psi	ASTM D790
Flexural Modulus	8.48 GPa	1230 ksi	ASTM D790
Izod Impact, Notched	0.796 J/cm	1.49 ft-lb/in	73°F; ASTM D256

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	232 - 243 °C	450 - 470 °F	
Middle Barrel Temperature	238 - 249 °C	460 - 480 °F	
Front Barrel Temperature	243 - 254 °C	470 - 490 °F	
Nozzle Temperature	243 - 254 °C	470 - 490 °F	
Melt Temperature	249 - 260 °C	480 - 500 °F	
Mold Temperature	82.2 - 121 °C	180 - 250 °F	
Drying Temperature	121 °C	250 °F	
Dry Time	<= 12 hour	<= 12 hour	
Moisture Content	<= 0.020 %	<= 0.020 %	
Injection Pressure	6.89 - 11.7 MPa	1000 - 1700 psi	
Back Pressure	0.138 - 0.414 MPa	20.0 - 60.0 psi	
Shot Size	40 - 80 %	40 - 80 %	
Screw Speed	40 - 80 rpm	40 - 80 rpm	

Descriptive Properties	Value	Comments
Holding Pressure	500 to 900 psi	
Injection Rate	Moderate-Fast	

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