

Entec Hylox® 9020 PBT, 20% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% 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-9020-PBT-20-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	124 MPa	18000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 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 Processing Properties	40 - 80 rpm Metric	40 - 80 rpm English	Comments
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Descriptive Properties	Value	Comments
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Injection Rate	Moderate-Fast	
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Contact Songhan Plastic Technology Co.,Ltd.

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