

Ravago Manufacturing Americas Hybrid B6720U Polycarbonate + PBT Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

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 Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hybrid-B6720U-Polycarbonate-PBT-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Melt Flow	20 g/10 min @Load 3.80 kg, Temperature 250 °C	20 g/10 min @Load 8.38 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.9 MPa	6800 psi	ASTM D638
Flexural Yield Strength	72.4 MPa	10500 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	73°F, 0.125 in; ASTM D256

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	243 - 266 °C	470 - 510 °F	
Middle Barrel Temperature	249 - 271 °C	480 - 520 °F	
Front Barrel Temperature	254 - 277 °C	490 - 530 °F	
Nozzle Temperature	254 - 271 °C	490 - 520 °F	
Mold Temperature	65.6 - 87.8 °C	150 - 190 °F	
Drying Temperature	110 °C	230 °F	
Dry Time	4 - 6 hour	4 - 6 hour	
Shot Size	50 - 80 %	50 - 80 %	
Screw Speed	50 - 80 rpm	50 - 80 rpm	

Descriptive Properties	Value	Comments
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Injection Rate Descriptive Properties	Moderate Value	Comments
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