

Ravago Manufacturing Americas Hybrid B2026IU Polycarbonate + PBT Alloy

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

Material Notes:

Available in North America UV Stabilizer Good Impact Resistance RoHS Compliant Form: Pellets Processing Method: Injection Molding

Information provided by Ravago

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hybrid-B2026IU-Polycarbonate-PBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955
Melt Flow	26 g/10 min @Load 5.00 kg, Temperature 260 °C	26 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.5 MPa	7900 psi	ASTM D638
	55.0 MPa	7980 psi	ISO 527-2
Tensile Modulus	2.03 GPa	295 ksi	ASTM D638
	2.10 GPa	305 ksi	ISO 527-2
Flexural Strength	75.2 MPa	10900 psi	ISO 178
Flexural Yield Strength	73.8 MPa	10700 psi	ASTM D790
Flexural Modulus	2.24 GPa	325 ksi	ASTM D790
	2.35 GPa	341 ksi	ISO 178
Izod Impact, Notched	4.27 J/cm @Temperature -40.0 °C	8.00 ft-lb/in @Temperature -40.0 °F	ASTM D256
	7.47 J/cm @Temperature 22.8 °C	14.0 ft-lb/in @Temperature 73.0 °F	ASTM D256
Izod Impact, Notched (ISO)	35.7 kJ/m ² @Temperature -40.0 °C	17.0 ft-lb/in ² @Temperature -40.0 °F	ISO 180
	60.9 kJ/m ²	29.0 ft-lb/in ²	

Mechanical Properties	Metric	English	ISO 180 Comments
	@ Temperature 22.8 °C	@ Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	216 °F	Unannealed; ASTM D648
	103 °C	217 °F	Unannealed; ISO 75-2/A

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	238 - 266 °C	460 - 510 °F	
Middle Barrel Temperature	243 - 271 °C	470 - 520 °F	
Front Barrel Temperature	249 - 277 °C	480 - 530 °F	
Nozzle Temperature	254 - 271 °C	490 - 520 °F	
Melt Temperature	254 - 271 °C	490 - 520 °F	
Mold Temperature	54.4 - 82.2 °C	130 - 180 °F	
Drying Temperature	110 °C @Time 14400 - 18000 sec	230 °F @Time 4.00 - 5.00 hour	
Dry Time	<= 12.0 hour	<= 12.0 hour	
Moisture Content	<= 0.020 %	<= 0.020 %	Suggested Maximum
Shot Size	50 - 80 %	50 - 80 %	
Screw Speed	50 - 80 rpm	50 - 80 rpm	

Descriptive Properties	Value	Comments
Injection Rate	Moderate	
Melt-Volume Flow Rate, 260°C/5.0 kg (in3/10 min)	1.34	ISO 1133

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