

Ravago Manufacturing Americas Hybrid B2035I 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 High Impact Resistance Form: Pellets
Information provided by Ravago

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hybrid-B2035I-Polycarbonate-PBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955
Melt Flow	34 g/10 min @Load 3.80 kg, Temperature 260 °C	34 g/10 min @Load 8.38 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	57.2 MPa	8300 psi	ASTM D638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	4.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	6.41 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	12.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	91.7 °C	197 °F	Unannealed; ASTM D648

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