

Adell HR-36 30% Glass Reinforced Heat Stabilized PBT

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-HR-36-30-Glass-Reinforced-Heat-Stabilized-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Water Absorption	0.040 %	0.040 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	84	84	ASTM D785
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	140 MPa	20300 psi	ASTM D638
Flexural Strength	195 MPa	28300 psi	ASTM D790
Flexural Modulus	8.55 GPa	1240 ksi	ASTM D790
Compressive Yield Strength	124 MPa	18000 psi	ASTM D695
Izod Impact, Notched	0.854 J/cm @Thickness 3.17 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	210 - 227 °C	410 - 440 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	420 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	198 °C	388 °F	ASTM D648
Flammability, UL94	HB	HB	

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