

Entec Hypro™ PPC-GF10 Natural Impact Polypropylene, 10% Glass Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Glass Fiber Filler

Material Notes:

Information provided by Entec

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hypro-PPC-GF10-Natural-Impact-Polypropylene-10-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in³	ASTM D792
Melt Flow	10.0 g/10 min	10.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.0 MPa	5950 psi	ASTM D638
Elongation at Break	7.00 %	7.00 %	ASTM D638
Elongation at Yield	4.00 %	4.00 %	ASTM D638
Flexural Strength	49.0 MPa	7110 psi	ASTM D790
Flexural Modulus	2.138 GPa	310.1 ksi	tangent; ASTM D790
Izod Impact, Notched	1.71 J/cm	3.20 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	132 °C	270 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648

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