

Entec Hypro™ PPC-GF40 Natural Impact Polypropylene, 40% Glass Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 60% Glass Fiber Filler

Material Notes:

Information provided by Entec

Order this product through the following link:

http://www.lookpolymers.com/polymer_Entec-Hypro-PPC-GF40-Natural-Impact-Polypropylene-40-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Melt Flow	10.0 g/10 min @Load 2.16 kg, Temperature 230 °C	10.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	86.0 MPa	12500 psi	ASTM D638
Elongation at Break	3.00 %	3.00 %	ASTM D638
Elongation at Yield	3.00 %	3.00 %	ASTM D638
Flexural Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	4.828 GPa	700.2 ksi	tangent; ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 3.17 mm	3.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	151 °C	304 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	ASTM D648

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