

**Entec Hypro™ PPC-GF25 Natural Impact Polypropylene, 25% Glass Reinforced**

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

**Material Notes:**

Information provided by Entec

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Entec-Hypro-PPC-GF25-Natural-Impact-Polypropylene-25-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Entec-Hypro-PPC-GF25-Natural-Impact-Polypropylene-25-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	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	62.4 MPa	9050 psi	ASTM D638
Elongation at Break	5.00 %	5.00 %	ASTM D638
Flexural Modulus	3.379 GPa	490.1 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)	146 °C	295 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	138 °C	280 °F	ASTM D648

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