

Cossa Polimeri ESTAPROP H 05100 GFC Polypropylene, 50% Glass Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Glass Fiber Filler

Material Notes:

PP homopolymer 50% chemically coupled glass fiberExcellent stiffness, excellent impact strengthInformation provided by Cossa Polimeri S.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cossa-Polimeri-ESTAPROP-H-05100-GFC-Polypropylene-50-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D 955
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ASTM D 638
Elongation at Break	3.0 %	3.0 %	ASTM D 638
Tensile Modulus	12.5 GPa	1810 ksi	ASTM D 638
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D 790
Izod Impact, Notched	1.10 J/cm @Temperature -20.0 °C	2.06 ft-lb/in @Temperature -4.00 °F	ASTM D 638
	1.30 J/cm @Temperature 0.000 °C	2.44 ft-lb/in @Temperature 32.0 °F	ASTM D 638
	1.50 J/cm @Temperature 23.0 °C	2.81 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	155 °C	311 °F	120°C/hr; ASTM D 648
Vicat Softening Point	145 °C @Load 5.00 kg	293 °F @Load 11.0 lb	50°C/hr; ASTM D 1525
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	

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