

Ovation Polymers OPTRENE 10GF Polypropylene, 10% Glass Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Properties of chemically coupled glass reinforced (10 %) polypropylene with high strength and HDT. *All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-OPTRENE-10GF-Polypropylene-10-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.995 g/cc	0.995 g/cc	ASTM D792
Melt Index of Compound	13.1 g/10 min	13.1 g/10 min	
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	50 mm/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	50 mm/min; ASTM D638
Tensile Modulus	1.70 GPa	247 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	55.0 MPa	7980 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.50 GPa	218 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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