

Ravago Manufacturing Americas Hylex® P1010G10 HB Polycarbonate, 10% Fiberglass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylex-P1010G10-HB-Polycarbonate-10-Fiberglass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Water Absorption	0.14 %	0.14 %	24-Hr Immersion; ASTM D570
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955
Melt Flow	5.0 - 9.0 g/10 min @Load 1.20 kg, Temperature 300 °C	5.0 - 9.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	85	85	ASTM D785
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	3.448 GPa	500.1 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	2.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	146 °C	295 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	289 °F	Unannealed; ASTM D648
Vicat Softening Point	154 °C	309 °F	ASTM D1525
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.00e+16 ohm-cm	4.00e+16 ohm-cm	ASTM D257
Dielectric Strength	16.1 kV/mm @Thickness 3.17 mm	410 kV/in @Thickness 0.125 in	in air; ASTM D149
Arc Resistance	120 sec	120 sec	ASTM D495

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China