

Ravago Manufacturing Americas Hylex® P1010G7FRMA Polycarbonate, 7% Glass Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass Fiber Filled, Flame Retardant

Material Notes:

Polycarbonate, 7% Glass Filled, Flame Retardant Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylex-P1010G7FRMA-Polycarbonate-7-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm @Thickness 3.17 mm	0.0020 - 0.0050 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	10 g/10 min @Load 1.20 kg, Temperature 300 °C	10 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	78.0 MPa	11300 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	120 MPa	17400 psi	ASTM D790
Flexural Modulus	3.100 GPa	449.6 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm	2.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	289 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	139 °C	282 °F	ASTM D648
Vicat Softening Point	150 °C	302 °F	ASTM D1525
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 - 5VA @Thickness 3.00 mm	V-0 - 5VA @Thickness 0.118 in	

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