

Ravago Manufacturing Americas Hylex® P1010G20FRMA Polycarbonate, 20% Glass Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

Material Notes:

Polycarbonate, 20% Glass Filled, Flame Retardant Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylex-P1010G20FRMA-Polycarbonate-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 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	100 MPa	14500 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	135 MPa	19600 psi	ASTM D790
Flexural Modulus	5.500 GPa	797.7 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D785

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	149 °C	300 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	ASTM D648
Vicat Softening Point	166 °C	330 °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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