

Hylex® P1010G20HB

Polycarbonate

Ravago Manufacturing Americas, LLC

Message:

Polycarbonate, 20% Glass Filled

General Information			
UL YellowCard	E157012-224037		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.30	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	91		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	110	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	5170	MPa	ISO 178
Flexural Stress	138	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	149	°C	ISO 75-2/B
1.8 MPa, Unannealed	149	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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