

Hylex® P1010G10HB

Polycarbonate

Ravago Manufacturing Americas, LLC

Message:

Polycarbonate, 10% Glass Filled

General Information			
UL YellowCard	E157012-224037		
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Physical	Nominal Value	Unit	Test Method
Density	1.25	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)	0.20 to 0.50	%	ISO 294-4
Water Absorption (24 hr)	0.14	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	85		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	83.0	MPa	ISO 527-2
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	3450	MPa	ISO 178
Flexural Stress	124	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	146	°C	ISO 75-2/B
1.8 MPa, Unannealed	143	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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