



HYLEX® P1025G10HB

Ravago Manufacturing Americas - Polycarbonate

Monday, November 4, 2019

General Information

Product Description

Polycarbonate, High Flow, 10% Glass Filled

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• High Flow
RoHS Compliance	• RoHS Compliant
UL File Number	• E157012

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (300°C/1.2 kg)	20 to 25	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.20 to 0.50	%	ISO 294-4
Water Absorption (24 hr)	0.14	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	11500	psi	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	525000	psi	ISO 178
Flexural Stress	16000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.3	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	270	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	262	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+16	ohms·cm	ASTM D257
Dielectric Strength	410	V/mil	ASTM D149
Arc Resistance	120	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		V-2	
0.12 in		V-0	

Notes

¹ Typical properties: these are not to be construed as specifications.