

Hylex® P1010L

Polycarbonate
Ravago Manufacturing Americas, LLC

Message:
Polycarbonate, Intermediate Flow

General Information			
Features	Medium Flow		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Physical	Nominal Value	Unit	Test Method
Density	1.20	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)	0.50 to 0.70	%	ISO 294-4
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	120	%	ISO 527-2
Flexural Modulus	2230	MPa	ISO 178
Flexural Stress	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	57	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	132	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+16	ohms · cm	ASTM D257
Dielectric Strength	16	kV/mm	ASTM D149
Arc Resistance	120	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-2		UL 94

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