

Hylex® P1010 L1 HB

Polycarbonate

Entec Polymers

Message:

Hylex® P1010 L1 HB is a Polycarbonate (PC) material. It is available in North America.

Important attributes of Hylex® P1010 L1 HB are:

Flame Rated

RoHS Compliant

Typical application of Hylex® P1010 L1 HB: Food Contact Applications

General Information			
Uses	General Purpose		
Agency Ratings	FDA 21 CFR 177.1580		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
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	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	72		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	68.9	MPa	ASTM D638
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	138	°C	
1.8 MPa, Unannealed	132	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.586		ASTM D542
Transmittance	88.0	%	ASTM D1003
Haze	1.0	%	ASTM D1003

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