

Hylex® P1010 L2 HB

Polycarbonate

Entec Polymers

Message:

Hylex® P1010 L2 HB is a Polycarbonate (PC) material. It is available in North America.

Important attributes of Hylex® P1010 L2 HB are:

- Flame Rated
- RoHS Compliant
- Good Mold Release
- Mold Release Agent

General Information			
UL YellowCard	E157012-538663		
Additive	Mold Release		
Features	Good Mold Release		
	Medium Flow		
RoHS Compliance	RoHS Compliant		
Appearance	Blue		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	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, 23°C)	68.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	130	%	ASTM D638
Flexural Modulus (23°C)	2340	MPa	ASTM D790
Flexural Strength (23°C)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	139	°C	
1.8 MPa, Unannealed	132	°C	
Vicat Softening Temperature	154	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength (23°C, 3.18 mm, In Air)	15	kV/mm	ASTM D149

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.586		ASTM D542
Transmittance (3180 μm)	88.0	%	ASTM D1003
Haze (3180 μm)	1.0	%	ASTM D1003

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