

Hylex® P1317 L1 HB

Polycarbonate

Entec Polymers

Message:

Polycarbonate, UV Stabilized, Higher Flow, Mold Release, Water Clear

General Information			
UL YellowCard	E157012-100832700		
Additive	Mold Release		
	UV Stabilizer		
Features	High Flow		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
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)	17	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 (R-Scale)	70		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	95.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	690	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	129	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength	15	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		

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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