



HYLEX® P1002L1

Entec Polymers - Polycarbonate

Monday, November 4, 2019

General Information

Product Description

POLYCARBONATE, BLOW MOLDING GRADE, CLEAR EDGE TINT

General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Clear/Transparent
Processing Method	• Blow Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (300°C/1.2 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	9960	psi	ASTM D638
Tensile Elongation (Break, 73°F)	100	%	ASTM D638
Flexural Modulus (73°F)	299000	psi	ASTM D790
Flexural Strength (73°F)	12800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	15	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	270	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-2		
0.12 in	V-2		

Notes

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