Hylex® P1010L Polycarbonate Resin

Product Attributes

- Transparent
- Clear or Custom Colors
- Extreme Toughness

Material Approvals
FDA, NSF*

PROPERTY	METHOD	UNIT	VALUES
PHYSICAL			
Melt Flow (300° C/1.2 kg)	ASTM D1238	g/10min	10
Specific Gravity	ASTM D792	sp gr 23/23°C	1.20
Water Absorption (24-Hr Immersion)	ASTM D570	%	0.15
Mold Shrinkage (Flow Direction)	ASTM D955	in/in	5-7
MECHANICAL@ 73°F			
Tensile Strength	ASTM D638	psi	10100
Elongation	ASTM D638	%	120
Flexural Modulus	ASTM D790	psi	340000
Flexural Strength, Break	ASTM D790	psi	13500
IMPACT			
Izod Impact Strength	ASTM D256	ft-lb/in	15
HARDNESS			
Hardness (Rockwell M)	ASTM D785	-	80
THERMAL			
Heat Deflection Temp. (Unannealed)	ASTM D648		
264 psi		°F	270
66 psi		°F	*285*
Vicat Softening Point	ASTM D1525	°F	310

†The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits or used alone as a basis for design. This information is not intended as a warranty of any kind. Buyers must make their own representative test and assume all risks of use, whether used alone or in combination with other products. Entec Polymers, LLC assumes no obligation or liability of any advice furnished by it or results obtained with respect to these products. All warranties expressed or implied including warranties of merchantability for a particular purpose or use are excluded and disclaimed. Entec Polymers, LLC assumes no liability for use of products in infringement of any patent. The foregoing limitation of remedy and exclusion of liability is reflected in and is part of the consideration for the price at which the products are sold by Entec Polymers, LLC. All data displayed herein has been obtained via testing of injection-molded specimens of natural color. Pigmentation may affect certain properties to various degrees.
**Testing per Entec Engineered Resins

*pigment formulation specific

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