Plexiglas®
where original ideas take shape

Resin

Plexiglas® HT121

PROPERTIES	VALUE	UNITS	TEST METHOD
Physical			
Melt Flow Rate (230°C / 3.8 kg)	2.6	g / 10 min	ASTM D1238
Specific Gravity	1.19		ASTM D792
Mold Shrinkage	0.2 - 0.6	%	ASTM D955
Water Absorption (24 hr. immersion)	0.4	% weight gain	ASTM D570
Mechanical			
Tensile Strength @ Maximum	10,200	PSI	ASTM D638
Tensile Elongation @ Break	3	%	ASTM D638
Tensile Modulus	475,000	PSI	ASTM D638
Flexural Strength, maximum (Yield)	15,200	PSI	ASTM D790
Flexural Modulus	475,000	PSI	ASTM D790
Notched Izod Impact (73°F/23°C)	0.3	ft-lb/in notch	ASTM D256
Rockwell Hardness	99	M	ASTM D785
Thermal			
HDT (0.455 MPa; annealed)[1]	235	°F	ASTM D648
HDT (1.82 MPa; annealed)[1]	226	°F	ASTM D648
Vicat Softening Point (50°C/hr; 10N)	246	°F	ASTM D1525
Vicat Softening Point (50°C/hr; 50N)	240	°F	ASTM C177
Optical			
Refractive Index (N_D @ 73°F)	1.49		ASTM D542
Luminous Transmittance (0.125"/3.2 mm.)	92	%	ASTM D1003
Haze (0.125 in./3.2 mm.)	<2	%	ASTM D1003
ASTM Classification		PMMA 014 1 V2	ASTM D788

1. Annealing Cycle: 4hrs @ 105°C

Data given are average values and should not be used for specification purposes.

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See MSDS for Health & Safety Considerations.
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