

Sheet

Plexiglas® T acrylic sheet

PROPERTIES	VALUE	UNITS	TEST METHOD
Miscellaneous			
Specific Gravity	1.19		ASTM D792
Rockwell Hardness	78	M	ASTM D785
Mechanical			
Tensile Properties			ASTM D638
Strenght	10,200	PSI	"
Elongation @ Break	10,200	PSI	"
Modulus of elasticty	450,000	PSI	"
Flexural Properties (span depth ratio 16, 0.1in/min)			ASTM D790
Maximum	15,000	PSI	"
Modulus of elasticity	450,000	PSI	"
Notched Izod Impact(73°F/23°C)	0.4	ft-lb/in notch	ASTM D256
Dynatup (0.118" thickness)			"
1st Break			"
Total Energy	0.7	ft-lb	"
Thermal			
Deflection temperature under (flexural) load			ASTM D648
3.6 °F/min-264 psi (unannealed)	186	°F	"
Annealed 16 hours @ 176°F	210	°F	"
Optical			
Refractive Index (ND @ 73°F)	1.49		ASTM D542
Luminous Transmittance (0.125"/3.2 mm.)	92	%	ASTM D1003
Haze (0.125 in./3.2 mm.)	1	%	ASTM D1003

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

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