

Sheet

Plexiglas® MC acrylic sheet

PROPERTIES	VALUE	UNITS	TEST METHOD
Miscellaneous			
Thickness, nominal	0.236	in	
Specific Gravity	1.18		ASTM D792
Rockwell Hardness	90	M	ASTM D785
Mechanical			
Tensile Properties			ASTM D638
Maximum	10,200	PSI	"
Rupture	10,200	PSI	"
Modulus of elasticity	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)	0.3	ft-lb/in notch	ASTM D256
Thermal			
Deflection temperature under (flexural) load			ASTM D648
3.6 °F/min-264 psi (unannealed)	200	°F	"
Maximum Recommended Continuous Service Temperature	170-190	°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.)	<2	%	ASTM D1003
UV Transmission	<70	%	KOP

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

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