

# POLYCAST<sup>®</sup> RM<sup>™</sup>

R I N K M A S T E R A C R Y L I C

PROPERTY	Test Method	Category A-1
Tensile strength, min, (psi)	D638	11,000 psi
Elongation at break, min, %	D638	6
Index of refraction	D542	1.49
Specific gravity	D792	1.19
Luminous transmittance, min, %	D1003	92
Haze, max,%	D1003	<0.5
Dimensional tolerance, max:		
Thickness, %		See table 3, ASTM D4802
Length and width, mm (in.)		-0.0, + 6.4 (-0.0, + 0.250)
Shrinkage, max. %		2.8
Water absorption, %	D570 (24-h method)	
Deflection temperature under flexural load, 1820	D648	>95°C
Impact strength, Izod, J/m (ft-lb/in.), min	D256, Method A	16.0 (0.3)
*Abrasion resistance, 100 cycles at 500 g load	D1044	3% Haze
Coating adhesion, percent retention, min	D3359	Minimum Classification 4B, Fig. 1, Test
Chemical resistance, visual examination	D1308	no change

*All values meet or exceed ASTM D4802. Values stated are typical for clear, >.500" thickness.  
Cell-cast acrylic sheet adheres to ASTM F 1703; Finish 1 and 3.\**

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