

POLYCAST[®] FAB[™]

C E L L C A S T A C R Y L I C

PROPERTY	Test Method	Category A
Tensile strength, (psi)	D638	11,000
Elongation at break, %	D638	6
Index of refraction	D542	1.49
Specific gravity	D792	1.19
Luminous transmittance, %	D1003	
<.500"		92
>0.500" to 2"		90
Spectral transmittance, %		
Type UVF only 200 to 390 nm		0
All thicknesses		
Type UVT only 290 to 400 nm		
@340 nm		>85%
Haze, %	D1003	.3
Dimensional tolerance,:		
Thickness, %		See table 3, ASTM D4802
Shrinkage, %		2
Water absorption, %	D570 (24-h method)	0.3
Deflection temperature under flexural load, 1820	D648	
kPa (264 psi), °C (°F), min		
<12.0 mm (0.472 in.)		>90
>12.0 mm (0.472 in.)		>95
Impact strength, Izod, J/m (ft-lb/in.), min	D256, Method A	16.0 (0.3)

All values meet or exceed ASTM D4802. Values stated are typical for clear 1/4" thickness.



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