

Product Data - MX Acrylic



Typical Properties*			
Property	Test Method	Units	Values
OPTICAL			
Specific Gravity	ASTM D 792	- -	1.18
Optical Refractive Index	ASTM D 542	%	1.49
Haze	ASTM D 542		2.0
Light Transmission			
0.100" – 0.197"	ASTM D 1003	%	92
0.220" – 0.472"	ASTM 1003	%	90
MECHANICAL			
Tensile Strength	ASTM D 638	psi	9,600
Elongation at Rupture	ASTM D 638	%	4.5
Modulus of Elasticity	ASTM D 798	psi ft-	425,000
Impact Strength	ASTM D 256	lb/in	0.4 – 0.5
Flexural Strength	ASTM D 798	psi	15,000 – 16,000
Rockwell Hardness	ASTM D 785	-	M (90 – 100)
Barcol Hardness	ASTM D 2583	-	50
THERMAL			
Forming Temperature		°F (°C)	284 – 356 (140 – 180)
Heat Deflection Temperature (264 psi)	ASTM D 648	°F (°C)	196 (91)
Max. Recommended Service Temperature	ASTM D 1525	°F (°C)	176 (80)
MISC.			
Water Absorption (24 hrs. -23°C – 73°F)	ASTM D 570	%	0.3

*Typical properties are not intended for specification purposes.

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