

MX UV-F Acrylic



Physical & Mechanical Properties*

Property	Typical Value	Method
OPTICAL		
% of Light Transmission (0.100" - 0.197")	92%	ASTM D 1003
Haze	2.0	ASTM D 542
PHYSICAL - MECHANICAL		
Specific Gravity	1.18	ASTM D 792
Tensile Strength	9600 lb/in ²	ASTM D 638
Elongation at Rupture (%)	4.5 %	ASTM D 638
Modulus of Elasticity	425000 lb/in ²	ASTM D 798
Flexural Strength	15,000 a 16,000	ASTM D 798
Izod Impact Strength	0.40 - 0.50 ft lb/in	ASTM D 256
Rockwell Hardness	M 90 - 100	ASTM D 785
THERMAL		
Maximum recommended continuous service temp	80 °C	
Deflection Temperature Under Load (264 psi) (°C)	91 °C	ASTM D 648
Coefficient of thermal expansion	4 x 10 ⁻⁵ in/in F	ASTM D 696
PERFORMANCE		
Water Absorption (24 hrs)	0.3%	
% of Light Transmission at UV region	2.0% Maximum	

All Values are referred to .118" UV-F acrylic sheets. These values are typical and should not be taken as specifications. UV-F blocks atleast 98% of the UV radiation causing deterioration.

