



## Typical Properties

Property	Test Method	Units	Values
<b>GENERAL</b>			
Nominal thickness	N/A	in	0.236"
Specific gravity	ASTM D 792	-	1.18
Rockwell hardness	ASTM D 785	M scale	95
<b>OPTICAL</b>			
Refractive index	ASTM D 542	-	1.49
Luminance transmittance	ASTM D 1003	%	85
<b>MECHANICAL</b>			
Tensile strength, maximum	ASTM D 638	psi	10,200
Tensile elongation	ASTM D 638	%	4.5
Tensile modulus of elasticity	ASTM D 638	psi	450,000
Flexural strength, maximum	ASTM D 790	psi	15,000
Flexural modulus of elasticity	ASTM D 790	psi	450,000
Notched izod impact @ 73°F (23°C)	ASTM D 256	Ft-lb/in	0.3
<b>THERMAL</b>			
Deflection under flexural load @ 264 psi	ASTM D 648	°F	185
Max. recommended continuous service temp.	N/A	°F	170 - 190
Recommended thermoforming temperature	N/A	°F	275 - 350
<b>FLAMMABILITY COMPLIANCE</b>			
Horizontal burn rate	ASTM D 635	In/min	1.0
Smoke density	ASTM D 2843	%	2.0
Self-ignition temperature	ASTM D 1929	°F	850
Plastics component QMFZ2.E3943	UL 94	-	HB (≥0.080" All)
Plastics component QMFZ2.E3943 - outdoor	UL 746C	-	f1 (≥0.080" colorless) f2 (≥0.080" All)
International building code	IBC 2606.4	-	CC2 (0.080" – 0.472")
Miami-Dade County product control division	NOA # 21-0825.02	-	PASS (0.080" – 0.472")
Standard spec for PMMA acrylic plastic sheet	ASTM D 4802	-	Category B-1, Finish 2

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.