



GMT Polycarbonate Data Sheet

PROPERTY ^a	TEST METHOD	TYPICAL VALUE ^b
PHYSICAL		
Specific Gravity	ASTM D792	1.20
Hardness (Rockwell)	ASTM D785	M70, R118
Water Absorption (24 hr. @ 73F)	ASTM D570	0.35%
Weathering/UV Resistance (FL, 5 yr.)	ASTM D1925	<3% delta YI
OPTICAL		
Refractive Index	ASTM D542A	1.59
Light Transmission (ovg.)	ASTM D1003	50%
Haze	ASTM D1003	<15.0%
Gloss (60°)	ASTM D523	38 +/- 5 GU
MECHANICAL		
Tensile Strength	ASTM D638	9,000 psi
Tensile Modulus	ASTM D638	280,000 psi
Elongation, ultimate	ASTM D638	70%
Flexural Strength	ASTM D790	12,500 psi
Flexural Modulus	ASTM D790	333,000 psi
Compression Strength	ASTM D695	12,500 psi
Impact Strength (Notched Izod)	ASTM D256A	12-16 ft. lbs/in
THERMAL		
Coefficient of Thermal Expansion	ASTM D696	3.75 x 10 ⁻⁵ in/in/°F
Deflection Temperature (264 psi)	ASTM D648	260 °F
Flammability	UL94	HB
ELECTRICAL		
Dielectric Strength	ASTM D149	380 V/mil
Dielectric Constant (60Hz)	ASTM D150	2.9
Volume Resistivity	ASTM D257	8 x 10 ¹⁶ ohm-cm

NOTES:

a Typical values; should not be used for specification purposes

b Values are for nominal 0.125" (3 mm) thickness. Some values will change with thickness or pigmentation