

PMMA XT

Properties	Method (ASTM)	Unity	Typical values
PHYSICAL			
Specific Gravity	D-792	G/cm ³	1,19
Water Absorption Coefficient (after 24 hours)	D-570	%	0,20
OPTICAL			
Refractive Index	D-542	–	1,490
Light Transmission (sheetthickness -4 mm 420-440 mm)	D-1003	%	92
MECHANICAL			
Tensile Strength	D-638	Mpa	70
Elongation at Break	D-638	%	5
Flexure Strength	D-790	Mpa	115
IZOD Impact Strength	D-256	J/m	20
Rockwell Hardness	D-785	M-scale	90
THERMAL			
Vicat Softening Point	D-1525	°C	110
Deflection temperature	D-648	°C	92
Thermal Expansion Coefficient	D-696	cm/cm/ °C	6×10 ⁻⁵
Max. Recommended Continuous Service Temperature		°C	80
Thermal Forming Temperature		°C	150-165
FLAMMABILITY			
Burning Rate	UL-94	inch/min	1,1