



TECHNICAL DATASHEET

# PMMA XT

Acrylic XT sheets

PROPERTY	UNIT	VALUE	STANDARD	VARIABLE
<b>General</b>				
Density	g/cm <sup>3</sup>	1,19	ISO 1183	
<b>Mechanical</b>				
Tensile strength to breakage	MPa	83	ISO 527	
Elongation to breakage	%	5	ISO 527	
Elasticity modulus in traction	MPa	3200	ISO 527	
Flexing resistance	MPa	120	ISO 178	
Charpy impact test unnotched	kJ/m <sup>2</sup>	20	ISO 527	
Rockwell hardness, M/R scale		92		
Ball pressure hardness	MPa	185	ISO 2039	
<b>Optical</b>				
Light transmission	%	92	ASTM D-1003	
Refractive index		1,489	ASTM D-542	
<b>Thermal</b>				
Maximum service temperature	°C	80		
Vicat softening temperature	°C	116	ISO 306	10 N
Vicat softening temperature	°C	107	ISO 306	50 N
Softening temperature, HDT A	°C	97	ISO 75-2	1,8 MPa
Softening temperature, HDT B	°C	101	ISO 75-2	0,45 MPa
Linear expansion coefficient	mm/m/ 10 °C	0,6		
<b>Fire classification</b>				
Fire rating EU		E	EN 13501	

The technical data given in this sheet correspond to our current state of knowledge and should not be construed as an agreement or guarantee regarding certain properties of our products. The decision on the suitability of a particular material for a specific application is up to the user. We reserve the right to modify the given data. Errors of the given data are reserved.