

Datasheet PMMA GS

<u>Properties</u>	<u>Method (ASTM)</u>	<u>Unity</u>	<u>Typical values</u>
<u>PHYSICAL</u>			
- Specific Gravity	D-792	G/cm ³	1,19
- Water Absorption Coefficient (after 24 hours)	D-570	%	0,30
<u>OPTICAL</u>			
- Refractive Index	D-542	-	1,490
- Light Transmission (sheetthickness -4 mm 420-440 mm)	D-1003	%	92
<u>MECHANICAL</u>			
- Tensile Strength	D-638	Mpa	65
- Elongation at Break	D-638	%	5
- Flexure Strength	D-790	Mpa	110
- IZOD Impact Strength	D-256	J/m	20
- Rockwell Hardness	D-785	M-scale	95
<u>THERMAL</u>			
- Vicat Softening Point	D-1525	°C	103
- Deflection temperature	D-648	°C	97
- Thermal Expansion Coefficient	D-696	cm/cm/°C	7x10 ⁻⁵
- Max. Recommended Continuous Service Temperature		°C	85
- Thermal Forming Temperature		°C	150-175
<u>FLAMMABILITY</u>			
- Burning Rate	UL-94	inch/min	1,1