

## Technical Data Sheet

# LaserAcryl1

**Description:** Sheets produced from impact Polymethyl Methacrylate (PMMA)

### Mechanical properties:

			ASTM Method
Tensile Strength (to break)	psi	5,500	D-638
Tensile Strength (Elongation before break)		50%	D-638
Flexural Strength	psi	10,300	D-790

### Thermal properties:

			ASTM Method
Deflection Temperatur ISO/R 75 A	°C	80	D-648
Vicat Softening Point 1mm (90°F/hr, 2.2 lbs)	°C	97,78	D-1525
Vicat Softening Point 1mm (90°F/hr, 11.0 lbs)	°C	86,11	D-1525
Coefficient of Thermal Expansion	Inch/inch/°F	$5.6 \times 10^{-5}$	D-696

### Other properties:

			ASTM Method
Specific Gravity 23 °C	g/cm <sup>3</sup>	1,15	D-792

**Note:** The above information is given in good faith, but no warranty, express or implied, is given.

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