

TECACRYL

PMMA – Cast / Extruded

Properties and applications

- Transparent ≈ 92% light transmission
- Lightweight
- Brilliant appearance.
- Weather resistant
- Sight glasses, machine guards, signs
- Cast offers the best optical properties

TECHNICAL DATA

Typical properties

Property	Test method	Units	Value
Density	D 1505	g/cm ³	1,18
Tensile strength	DIN 53455	MPa	60
Yield strain	DIN EN ISO 527	%	4.5
E-modulus of elasticity in tension	DIN EN ISO 527	MPa	3000
Impact strength	DIN 53453	kJ/m ²	18
Rockwell Hardness	ISO 868	R Scale	M90
Coefficient of linear thermal expansion	DIN 696	K ⁻¹	7 x 10 ⁻⁵
Thermal conductivity	C-177	W/m x K	0,19 – 0,21
Fire behaviour	DIN 4102	UL 94	HB
Heat deflection temperature	D-543861 Load 1,8 MPa	°C	105
Max operating temp long term		°C	80

This is general information and should only be used as a guide. It corresponds with our current knowledge and indicates our products and possible applications. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. Existing commercial patents must be observed.