

## Description

Acrylic (PMMA) is optically transparent, has good resistance to moisture and offers a high strength to weight ratio while providing light transmittance. It can be easily heat formed without loss of optical clarity. Prolonged exposure to moisture or even total immersion in water does not significantly effect the mechanical or optical properties of this the material.

## Application

Acrylic (PMMA) is applicable to medical, consumer products, automotive and industrial periods.

## Sheet

Dimension: 1220 x 2440 mm

Thickness: 3 mm ~ 120 mm

## Rod

Diameter: 5 ~150 mm Length: 2000 mm

## Types

Rods, sheets, tubes, profiles.

**Color:** Transparent, customized

## Specification Data Sheet

Properties/Items	Method	Unit	Acrylic (PMMA)
Density	ISO 1183 / A	g/cm <sup>3</sup>	1.2
Water Absorption	ISO 62	%	0.2
Tensile strength	ISO 527	MPA	75 min.
Rockwell Hardness	ISO 2039-2	M scale	98
Impact strength	ISO 179-1	kJ/m <sup>2</sup>	12 min
Flexural Strength	ISO 527	MPA	116
Elongation at Break	ISO 527	%	2.5 min
Softening Point	ISO 306	°C	110 min
Electric strength perpendicular	IEC 60243-1 (23°C)	KV/mm	15 min.
Specific surface resistance	IEC 60093	Ω	10 <sup>14</sup> min
Melting temperature	ISO 11357	°C	165
Flame Retardant	UL 94		HB

All information given here on the results of experiments performed with all due care in the laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

RoHS Declaration: This material does not contain any substances of very high concern as listed in the EU directive 2011/65/EU, article 4, paragraph 1.