

PMMA



Methyl polymethacrylate is distinguished by very good optical properties; visible transmission is about 92%, while ultraviolet light: 50 - 70%. In comparison with ordinary glass, PMMA is much lighter and more resistant to breakage, and also has greater plasticity. However, it exhibits less stiffness and scratch resistance. PMMA is also characterized by low water absorption, high resistance to weather conditions, no smell or taste. In addition, this material has good mechanical properties, however, low impact strength. Available PMMA sheets are produced by extrusion. PMMA is available in colorless and white milky with glossy surface.

Property:

High hardness and stiffness good electrical and dielectric properties good resistance to weather conditions high transparency, comparable with glass good resistance to thermal deformation high surface gloss and scratch resistance good susceptibility to processing by various methods ease of mechanical and thermal treatment

Application:

- Stand decorations and shop equipment items glazing and partitions illuminated boards,
- advertising panels,
- shop displays
- car headlights and fairings glazing of greenhouses and winter gardens
- soundproofing barriers
- filling the door