











ACRYLIC SHEET



ABOUT PRODUCT

ACRYLIC (PMMA) is a strong, very transparent material with a unique gloss. It is versatile and popular in many industries around the world. It is widely used in industry, architecture, medicine, the production of advertising, exhibition, retail equipment and furniture. One of the most important characteristics of acrylic is its natural resistance to UV radiation, which allows it to maintain its optical properties and original appearance for a long time of operation.







TOP BENEFITS

- ✓ Excellent light transmission
- ✓ High resistance to UV
- ✓ Outstanding weather ability
- ✓ Dimensionally stable

- √ Resistant to scratches
- √ Eco-friendly
- √ Thermoplastic
- √ High degree of gloss



Acrylic has high transparency, reaching more than 90%, which is the main argument that it can be an excellent alternative to glass. It also has a number of important advantageous characteristics. as: susceptibility such machining (including molding) allows to obtain products of any shape from it, very simple cutting, high mechanical strength, safety. In addition, the material is very light, which gives even more possibilities for its use. At the same time, it is a material that is highly resistant to ultraviolet light, which allows the product to keep its original appearance for many years.



APPLICATIONS

- ✓ Construction and architecture
- ✓ Furniture and interior items
- ✓ Trade and exhibition equipment
 ✓ Lighting industry
- ✓ Mechanical engineering

- ✓ Medicine
- ✓ Electronics
- ✓ Production of aquariums

Due to the many advantages of acrylic, the scope of application of this material is constantly expanding. It is used for glazing store shelves, making advertising and demonstration stands, which are a functional, durable and universal tool for conducting various marketing campaigns. This material is very popular in interior and exterior design, various decorations, gadgets and accessories are practical uses of acrylic. Currently, it is increasingly used to create anti-virus shields in commercial and service rooms. Acrylic offers many applications in various industries and areas of our lives.









PRODUCTION

Ultraplast EU new extrusion equipment combined with modern and advanced European developments, allows to produce high-quality and widely used acrylic sheet.

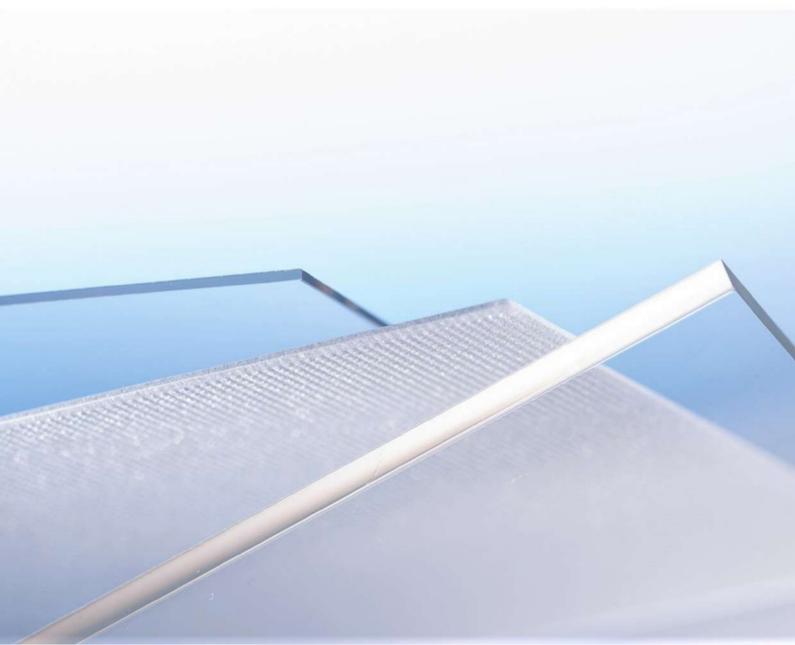








OPTION	DESCRIPTION
Thicknesses:	0.6 / 1 / 1.5 / 2 / 3 / 4 / 5 / 6 / 8 / 10 / 12 mm
Sizes (Standard):	1250 x 2050 / 2050 x 3050 mm
Color:	Transparent 1010

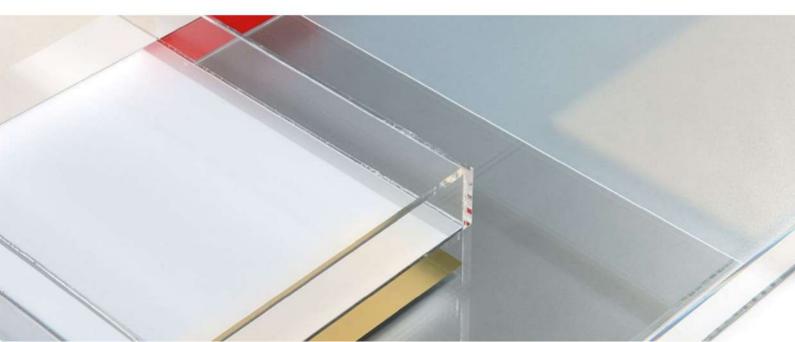




PROPERTIES

PROPERTIES	VALUE			
Physical Properties	Density	1190 kg/m³		
	Water absorption (23 °C) from dry state	0.2% (50x50x4 mm³)		
	Volume resistivity	> 10 ¹⁵ Ohm · cm		
Mechanical Properties				
	Tensile strength, 23 °C	70 MPa		
	Modulus of elasticity	3100 MPa		
	Elongation at break	4.5 %		
	Impact strength Charpy unnotched	15 kJ/m²		
Thermal				
	Coefficient of linear thermal			
	expansion 0-50°C	7*10 ⁻⁵ K ⁻¹		
	Thermal conductivity	0,18 W/mK		
	Vicat softening temperature	105 °C		
Optical characteristics				
	Transmittance	92 %		
	Haze	< 1 %		
	Refractive index	1,492		

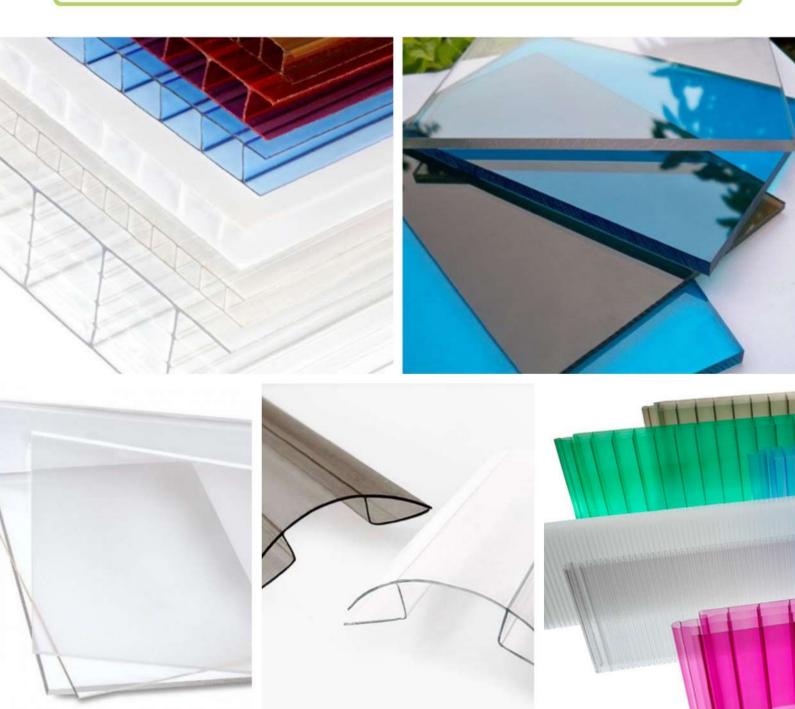
COLD CURVING								
Thicknesses (mm):	2	3	4	5	6	8	10	12
Min Radius (mm):	660	990	1320	1650	1980	2640	3300	3960





OTHER PRODUCTS

Ultraplast EU also supplies multiwall and solid polycarbonate sheets, PETG, GPPS, modular systems, polycarbonate profiles and accessories that can be used in various fields applications











SIA ULTRAPLAST EU

Ganibu iela 103, Ventspils, LV-3601, Latvia Phone.+371 676 51410 e-mail: info@ultraplast.lv



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