

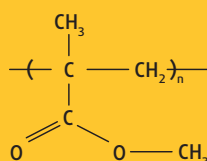
ALTUGLAS™ EX CLEAR-EX OPAL-EX WHITE-EX BLACK

The ALTUGLAS™ EX Clear, EX Opal, EX White and EX Black extruded products have the full range of different transparencies.

From completely clear, via opal, up to full opaque black. Numerous white shades and light transmissions are available. It is a transparent/translucent/opaque product commonly named « Acrylic Glass ». Half the weight of the glass and it can be easily thermoformed, bended, cut, drilled and glued. There's no limit to your imagination.

MAIN PROPERTIES

PMMA
(POLYMETHACRYLATE)



Light weight

Transparent to opaque

Glossy

UV resistant - No Yellowing

Easy formable

Easy machining



MAIN APPLICATIONS

- Furniture
- Shop fitting
- POP/POS, display
- Signage
- Glazing
- Skydome
- Machine cover
- Cosmetic

PACKAGING

- Our standard masking film transparent blue offers a strong adhesion thanks to an additional adhesive layer
- Our product is store on wood pallets with a cardboard sheet at the bottom and the top
- The sheets are protected by a clear polyethylene film covering the entire stack
- Strapped pallets
- The total weight of the pallet and sheets is less than one ton

STORAGE

The following rules have to be applied:

- Store the product in a dry place, indoors
- Place a polyethylene cover over the stack when a sheet is removed, to reduce moisture absorption
- Only use original delivery pallets
- Stack pallets of the same size and design to prevent waving
- Place pallets on even surfaces (floor or shelf)
- The durability of the protective film is limited (sensitive to UV, temperature, humidity and chemicals)

CERTIFICATES

- Our sheets rely to the norm ISO 7823-2 : 2003 regarding types, dimensions and characteristics

TYPICAL VALUES

	Measurement Method	Unit	Value
General characteristics			
Density	ISO 1183	g/cm ³	1.19
Water absorption (24h)	ISO 62	%	0.3
Water absorption (8 days)	ISO 62	%	0.5
Thickness tolerance	sheet less than 3mm +/- 10 %; sheet 3mm to 20 mm +/- 5%		
Mechanical properties			
Modulus of elasticity (23 °C)	ISO 527-2	MPa	3300
Tensile strength (23 °C)	ISO 527	MPa	74
Charpy impact strength (un-notched)	ISO 179/2D	KJ/m ²	10
Surface hardness (Rockwell scale M)	ISO 2039	-	95
Thermal properties			
Vicat softening point (B50)	ISO 306	°C	105
Coefficient of linear expansion	ISO 11359	mm/m/°C	0.065
Maximum continuous service temperature	-	°C	80
Maximum heating temperature	-	°C	180
Linear shrinkage after heating	-	%	< 3
Forming temperature	-	°C	140 - 175
Optical properties - Light transmittance (3 mm)			
ALTUGLAS™ 200.10000 * (Clear)	ISO 13468	%	92
ALTUGLAS™ 200.27000 (Opal)	ISO 13468	%	33
ALTUGLAS™ 200.27005 (Opal)	ISO 13468	%	83
ALTUGLAS™ 200.27006 (Opal)	ISO 13468	%	68
ALTUGLAS™ 200.27007 (Opal)	ISO 13468	%	50
ALTUGLAS™ 200.27008 (Opal)	ISO 13468	%	38
ALTUGLAS™ 200.47001 (White)	ISO 13468	%	8
ALTUGLAS™ 200.48000 (Black)	ISO 13468	%	0
Flammability			
Self-ignition temperature	-	°C	~ 450
Melt behaviour when burning	-	-	Non drip
Euroclass classification	EN 13501	-	E
UL	UL 94	-	HB

* Haze 0,4

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