

ALTUGLAS

Cast Acrylic Glass

MILLING - THERMOFORMING - BENDING

Altuglas panels are transparent thermoplastic sheets (also available in opaline, colored, smoked,...) and rigid. This material is also available in different qualities (e.g.: improved light transmission, chemical agents and weathering), but it is also 100% recyclable. Thanks to its manufacturing process, this material can be used for many applications. Its light transmission, better than that of glass, allows multiple uses...the only limit is your imagination! All its advantages and all its possibilities of applications make of this product the ideal material for many achievements.

INFORMATION FOR

decorators
advertising technicians
digital printers
design and advertising
and advertising agencies
exhibitors
stand manufacturers
trade fairs and exhibitions
POS decorators
sign makers
model makers
prototypists



Visual communication



Windshield



SOP layout



Panels



Displays



Noise barriers



Signs



Furnishings



Trade Fair Stands



Promotion



Window decorations

Technical specifications

Properties	Test method	Unit	Value
Density	DIN 53479		1.19
Tensile strength at 23°.	DIN 53455	MPa	76
Modulus of elasticity at 23°.	DIN 53455	MPa	3300
Elongation at break at 23°	IDIN 53455	%	6
Fracture stress (bending)	DIN 53455	MPa	130
Impact resistance (Charpy)	DIN 53453	KJ/m2	12
Elasticity limit under pressure	DIN 53454	MPa	130
Linear expansion	DIN 52328	mm/m	0.065
Thermal conductivity	DIN 52612	W/m/°C	0.17
Maximum operating temperature		C°	85
Hot forming			Very good
Folding			Very good
Laminating			Very good
Gluings			Very good
Resistance to chemical aggression			yes
Fire class	DIN 4102 (D)		B2
	NFP 9250 (F)		M4
Very wide range of colors and structures			



MACHINING

Can be sawn,
milled, drilled,
water jet cut, engraved.



FORMING

Can be bent,
bent, hot or cold formed,
glued.



PRINTING VARNISHING LAMINATING

Laminating.

Tolerances

EN 7823.1 (+/- 0.4 + (0.1 x s))

Plate thickness	In all directions	absolute in mm
3 mm	2%	+/- 0.6
4 mm	2%	+/- 0.8
5 mm	2%	+/- 1.0
6 mm	2%	+/- 1.2
8 mm	2%	+/- 1.6
10 mm	2%	+/- 2.0
12 mm	2%	+/- 2.4