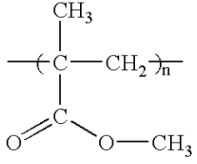
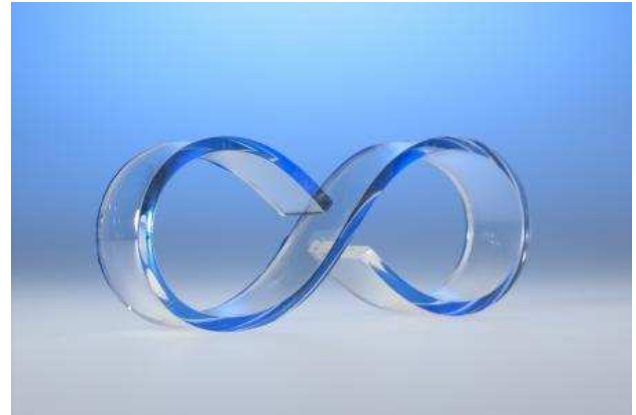


ALTUGLAS® CN CLEAR

The Altuglas® CN Clear is a transparent product commonly named « Acrylic Glass ». Half the weight of the glass it can be easily thermoformed, bended, cut, drilled and glued. There's no limit to your imagination.

MAIN PROPERTIES

PMMA (Polymethylmethacrylate)	
Light	
Transparent	
UV resistant - No Yellowing	
Thermoformable	
Easy machining	



MAIN APPLICATIONS

- Furniture
- Shop fitting
- Glazing
- Machine cover

PACKAGING

- Our standard film offers a strong adhesion thanks to an additional adhesive layer. On demand a dedicated thermoformable film can be proposed.
- Our product is stored on wood pallets with a PP sheet at the bottom and a cardboard at the top.
- The total weight of the pallet + sheets is less than one ton.

STORAGE

The following rules has 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

- Altuglas International guarantees that its Altuglas® CN clear product of any thickness up to 25 mm, retain virtually all their characteristics after 10 years exposure to weather. This guarantee covers light transmission, rigidity and tensile strength. Our ten year guaranty is available on demand.
- Our sheets rely to the norm ISO 7823-1: 2003 regarding types, dimensions and characteristics
- Our management system fulfils the requirements of the ISO 9001: 2008

ALTUGLAS® CN CLEAR

TECHNICAL SPECIFICATIONS

	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		± (0,4 mm + 0,1 x thickness)	
Mechanical properties			
Modulus of elasticity (23°C)	ISO 527-2	MPa	3300
Tensile strength (23°C)	ISO 527	MPa	76
Charpy impact strength (un-notched)	ISO 179/2D	KJ/m ²	12
Surface hardness (Rockwell scale M)	IS 2039	-	100
Thermal properties			
Vicat softening point (B50)	ISO 306	°C	115
Coefficient of linear expansion	ISO 11359	mm/m/°C	0.065
Maximum continuous service temperature	-	°C	85
Maximum heating temperature	-	°C	200
Linear shrinkage after heating		%	< 2
Forming temperature	-	°C	165-190
Optical properties			
Light transmittance (3 mm)	ISO 13468	%	92
Yellow index			< 1
Flammability			
Self-ignition temperature	-	°C	~ 450
Melt behaviour when burning	-	-	Non drip
Glow wire resistance	EN 60695-2-11	°C	750
Euroclass classification	EN 13501	-	E
UL	UL 94	-	HB

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <http://www.arkema.com/en/products/product-safety/disclaimer/index.html>

See MSDS for Health & Safety Considerations