

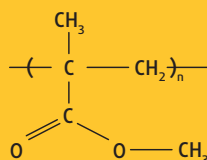
ALTUGLAS™ R-LIFE EX CLEAR



ALTUGLAS™ R-LIFE EX CLEAR is a transparent extruded product commonly named "Acrylic Glass". Made from a minimum of 75% reused PMMA, obtained by mechanical process. Half the weight of glass, it can be easily thermoformed, bent, cut, drilled, and glued. In case of deep thermoforming, small surface defects can be observed, so it is better to do a test beforehand.

MAIN PROPERTIES

PMMA
(POLYMETHYLMETHACRYLATE)



Light weight

Transparent

UV resistant

Formable

Easy machining



MAIN APPLICATIONS

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

PACKAGING

- Our standard transparent polyethylene masking film, green on top and blue on the backside offers a strong adhesion thanks to an additional adhesive layer
- Our product is stored 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)

OPTICAL PROPERTIES

- Mechanical recycling process is generating color variation in the material. This variation can only be seen on the edges. In addition the optical properties (LT, Haze, YI) are measured in transmission, and these are in specification

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			Sheets 3 mm to 8 mm: +/-5%
Mechanical properties			
Modulus of elasticity (23 °C)	ISO 527-2	MPa	3200**
Tensile strength (23 °C)	ISO 527	MPa	64**
Charpy impact strength (un-notched)	ISO 179/2D	KJ/m ²	10
Surface hardness (Rockwell scale M)	ISO 2039	-	-
Thermal properties			
Vicat softening point (B50)	ISO 306	°C	102**
Coefficient of linear expansion	ISO 11359	mm/m/°C	0.065
Maximum continuous service temperature	-	°C	75**
Maximum heating temperature	-	°C	180
Linear shrinkage after heating	-	%	< 3
Forming temperature	-	°C	140-175
Optical properties			
Light transmittance (3 mm)	ISO 13468	-	-
ALTUGLAS™ R-LIFE EX CLEAR*	Clear	%	92
Flammability			
Self-ignition temperature	-	°C	~ 450
Melt behaviour when burning	-	-	Non drip
Euroclass classification	EN 13501	-	E
UL	UL 94	-	HB

* Haze: 0,4

** Values to be confirmed after several productions

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