

Altuglas® CIF

Ref 152-153-154

You need an resistant acrylic sheet with improved thermoforming properties?

Altuglas® CIF has been designed to reinforce this characteristic while maintaining its excellent traditional (UV resistance, solvent resistance and excellent light transmission,...).

Reinforce your final product

An acrylic sheet, light, impact resistant with improved thermoforming properties

Thanks to its impact and thermoforming reinforced properties, this acrylic sheet is easy to thermoform. The risk of breakage is reduced during demolding and handling operations. Altuglas® CIF is available in clear or in your favourite transparent colour. Surface effects: glossy or matt one or two sides.

Performances

Product Advantages



The winning combination of properties:

Impact resistance
Improved thermoforming properties

The perfect sheet for

- > signs,
- > the transportation industry
- > in the industry for machine protection

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The perfect sheet with reinforced thermoforming properties, ideal for

- > signs,
- > the transportation industry
- > in the industry for machine protection

Technical specifications

	Test Method	Unit	Value
Main Characteristics			
Density	ISO 1183	g/cm ³	1,18
Water adsorption at 24 hours	ISO 62	%	0,3
Water adsorption at 8 days	ISO 62	%	0,5
Thermoforming retract	145°C - 1h	%	2
Mechanical properties			
Flexural strength	ISO 178	MPa	3000
Charpy impact strength – un-notched	179/2eU	kJ/m ²	30
Charpy impact strength - notched	ISO 179 1eA	kJ/m ²	2
Hardness - Rockwell scale M	ISO 2039	MPa	100
Thermal properties			
Vicat (50N)	ISO 306	°C	107
Coefficient of linear expansion	ISO 11359	mm/m/°C	0,65
Maximum continuous temperature service	-	°C	78
Thermal conductivity	DIN 52 612	W/mk	0,2
Thermoforming temperature	0	°C	140-170
Optic properties for clear sheet			
Refractive index	ISO 489	-	1,492
Light transmission (3mm thickness)	ISO 13 468	%	88
Haze (20°C) (sheet -thickness = 3 mm)	ISO 14 782	%	1
Euroclass	EN 13501	Class	E
UL	UL 94	Class	HB

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