

ref 100 LED APPROVED

Play with the light

10 "energizing" colours: to make the most of the LED revolution, we are introducing Altuglas® LED System: a special range of **coloured** diffusing sheet for use with LEDs.

In tune with the environment Made of sheet from the Altuglas® LED System range, your signboard will be environment-friendly and offer an undeniable cost advantage: fewer LEDs, less energy, very low voltage, a safe system with little maintenance and long life.

Altuglas® LED System ensures perfectly even lighting: the diodes no longer appear as spots of light. With Altuglas® LED System, they remain invisible and the uniformity of lighting is unequalled.

Altuglas® LED System sheet range can be used with white LED and/or with coloured LED, do realize colour of illuminated sign with coloured LED will look more bright or 'intense' when coloured LED is used

Designed for indoor and outdoor applications, Altuglas® LED System cast acrylic sheet range is available in 10 colours.

Performances

Key benefit: the Harmony of colours & the Magic of Light.



- > High visibility sign & signage with low energy expenditure (**up to 20% less LEDs compared to a classic PMMA sheet**).
- > Maximum brightness
- > Uniformity of lighting- no hot spots
- > Harmony of colours : 10 standard
- > Easy to form

10 Identity colours

100.27100 => OPAL

100.21093

100.22137

100.22138

100.22139

100.23159

100.23160

100.24141

100.24142

100.25050

For your project : your translucent colour can be optimized on request into LED-system grade.

Applications : Illuminated Signs, Exhibition booth, Stores & walls in architectures...



Altuglas.com/ altuglas-online.com

Ref 100 LED APPROVED

ACRYLIC SHEET

Play with the light

Softer and more accurate, the effect of colour and light stimulates sales. To make the most of the LED revolution, we are

introducing Altuglas® LED System: a special range of coloured diffusing sheet for use with LEDs.

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
Mechanical properties			
Modulus of elasticity	ISO 527-2	MPa	3300
Tensile strength (23°C)	ISO 527	kJ/m ²	76
Charpy Impact strength (un-notched)	ISO 179/2D	kJ/m ²	12
Surface hardness (Rockwell scale M)	ISO 2039	-	100
Thermal properties			
Vicat softening point (B50)	ISO 306	°C	115
Coefficient of linear expansion	ISO 11359	mm/m/°C	0,65
Maximum continuous service temperature	-	°C	85
Forming temperature	-	°C	165-190
Optical properties			
Light transmittance (3mm) Depending on the reference	ISO 13 468	%	6 to 50
Hiding power	-	-	maximised
Flammability			
Self-ignition temperature		°C	Approx. 450
Melt behaviour when burning		-	Non-drip
Glow wire resistance	EN 60 695-2-11	°C	750
Euroclass classification	EN 13501	-	E
UL	UL 94	-	HB

altuglas.com / altuglas-online.com

The statements, technical information and recommendations obtained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Altuglas International/Arkema expressly disclaims any and all liability. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OR MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein should be construed as an inducement to infringe any patent, and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.