

ref 126-144

## Play with the light

Your sign visible night and day, every day.  
> In the daytime, the original colour of the sheet.  
> At night, when illuminated: white appearance.

The combination of selected additives and a strong and professional light source will create a state of the art signage.

The colour & white effect give an extra dimension to the visibility of illuminated signs.

Easily formed, this translucent PMMA sheet is available in a variety of colours which give a coloured (when not illuminated) and a white (when illuminated) appearance.

## Performances

### Key benefits



In the daytime, the original colour of the sheet.  
By Night, when illuminated: white appearance.  
Excellent diffusion properties- Easily formed  
Extremely weatherable for outdoor applications  
High visibility sign & signage with low energy expenditure

Altuglas® Night & Day are available in :  
144.28042 **Black** & White  
126.28022 **Grey** & White  
126.24078 **Green** & White  
126.23097 **Blue** & White

FOR YOUR PROJECT : Your colour can be optimized on request into the Night & Day range.

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



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ACRYLIC SHEET

## Play with the light

Visibility night and day, every day, for your sign.

> In the daytime, the original colour of the sheet.

> At night, when illuminated: white appearance.

## Technical Specifications

	Measurement method	Unit	Value
<b>General characteristics</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1,19
Water absorption (24H)	ISO 62	%	0,3
Water absorption (8 days)	ISO 62	%	0,5
<b>Mechanical properties</b>			
Modulus of elasticity	ISO 527-2	MPa	3300
Tensile strength (23°C)	ISO 527	kJ/m <sup>2</sup>	76
Charpy Impact strength (un-notched)	ISO 179/2D	kJ/m <sup>2</sup>	12
Surface hardness (Rockwell scale M)	ISO 2039	-	100
<b>Thermal properties</b>			
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
<b>Optical properties</b>			
Light transmittance (3mm) Depending on reference	ISO 13 468	%	6 to 50
Hiding power	-	-	maximised
<b>Flammability</b>			
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

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