

# ALTUGLAS® ELIT 3 AND ELIT 3+

March 2018

ref 143.10020 et 143.10035

ACRYLIC SHEET

## Play with light

Specially developed to answer to the needs of the market, Altuglas International has launched Altuglas® **Elit**.

Due to the light sources placed at the edges of the acrylic sheet, you **obtain an homogenous and bright illumination** of the whole surface. The edge-lit solutions **reduce** significantly the **volume and the weight** of displays and lead to a more aesthetic product.

The edge lighting technology also removes the unevenness of the illumination that can be seen when applying fluorescent tubes at the back of the poster.

## Performances

### Key benefit



### Advantages of the Altuglas® Elit

- ⇒ **20% more efficient with the Elit 3+**
- ⇒ Energy cost reduction by using LED's
- ⇒ Even illumination
- ⇒ Wide range of formats and thicknesses
- ⇒ Flexibility regarding the minimum ordered quantity.

## Offers

	Size (mm)	Thickness (mm)	Minimum order quantity
<b>Standard</b>			
	Elit 3 (143.10020) en 3050 x 2030 mm	5 / 8 / 10	1
	Elit 3+ (143 10035) en 3050 x 2030 mm	5 / 8 / 10	1
<b>On request</b>			
	2000 x 1200 mm	8 / 10 / 12 / 15 / 20 / 25	Variable
	2000 x 1220 mm	3 / 4 / 5 / 6	Variable
	2500 x 1250 mm	3 / 4 / 5 / 6	Variable
	2500 x 1500 mm	3 / 4 / 5 / 6 / 10	Variable
	3050 x 2030 mm	3 / 4 / 6 / 12 / 15	Variable



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BY ARKEMA

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### 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
<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	163 - 190
<b>Flammability</b>			
Self-ignition temperature		°C	~ 450
Melt behaviour when burning		-	No dripping
Glow wire resistance	EN 60 695-2-11	°C	750
Euroclass classification	EN 13501	-	E
UL	UL 94	-	HB



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