



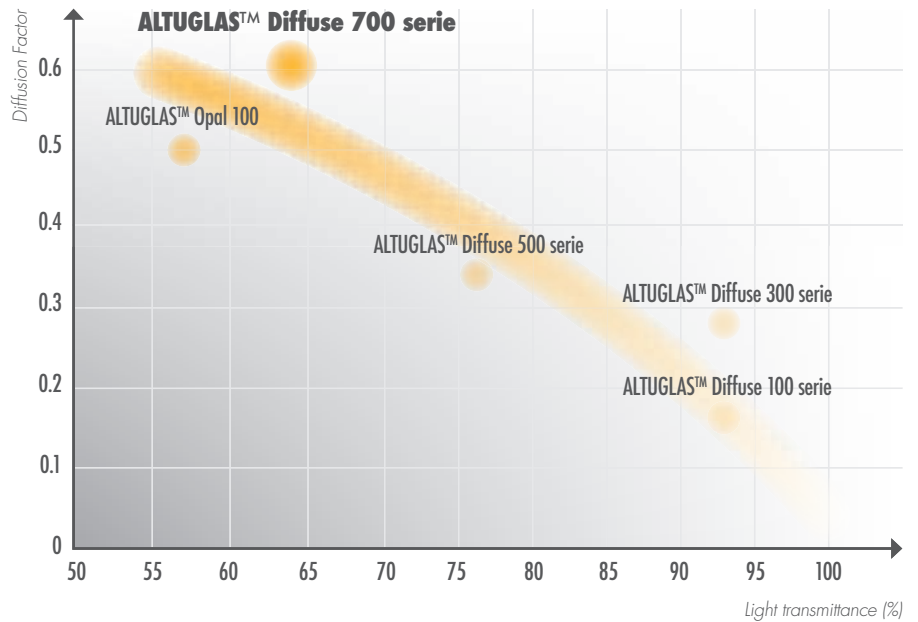
ALTUGLAS™ Diffuse 700 serie

Enjoy freedom for lighting design with Trinseo acrylic resins

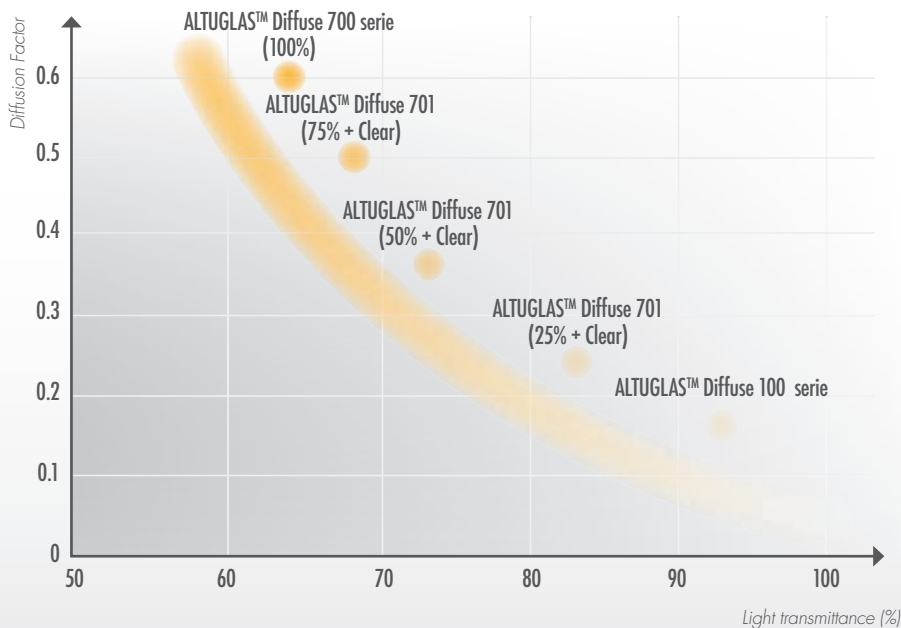
TRINSEO, A MAJOR ACTOR IN THE LIGHTING MARKET

Strongly involved in the lighting market, Trinseo continuously develops and proposes new solutions to design and enhance lighting fixtures as well as light output efficiency. In consideration of customer and market needs and its already existing ALTUGLAS™ Diffuse range (100, 300 and 500 series), Trinseo teams have engineered **ALTUGLAS™ Diffuse 700**, a new product serie designed to reinforce our LED lighting solutions.

ALTUGLAS™ Diffuse 700 serie was designed for more flexibility, thanks to dilution ability, offering designers and customers a wide range of opportunities to fine tune the diffusion effect and the light output of their lighting fixture.



GET THE NEW BENEFITS OF THE ALTUGLAS™ DIFFUSE 700 SERIE



Flexibility of light shaping

ALTUGLAS™ Diffuse 700 serie allows dilution with clear ALTUGLAS™ material. Depending on the light output you need to achieve, **you can now play with ALTUGLAS™ Diffuse 700 serie to design the perfect part.** Other characteristics will depend on the clear material used (impact, scratch resistance, chemical resistance...).

Process Versatility

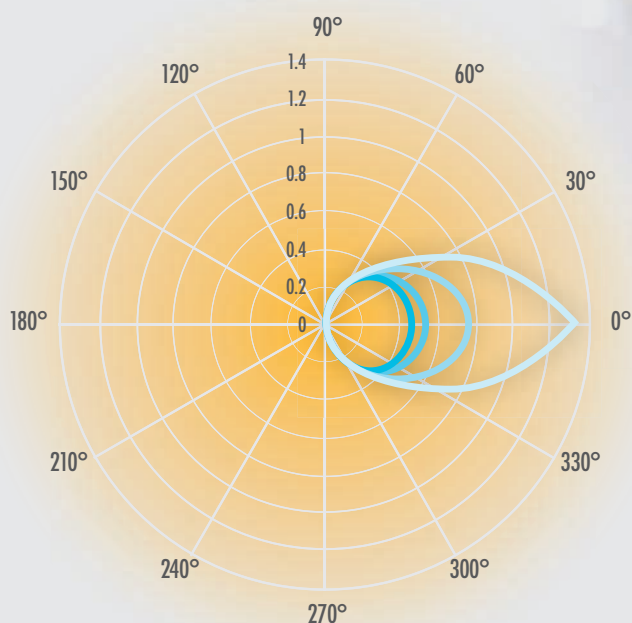
ALTUGLAS™ Diffuse 700 serie has been designed to offer ease of processing, through injection or extrusion. Used as it is or diluted with adapted clear ALTUGLAS™ material, designers and transformers will be able to fine tune their needs.

THE ALTUGLAS™ DIFFUSE 700 SERIE MAIN PROPERTIES*

First born within ALTUGLAS™ Diffuse 700 serie,
ALTUGLAS™ Diffuse 701 already successfully
answers significant market players' needs.

Optical properties*

Log (Light Intensity) = f (angle)



ALTUGLAS™ Diffuse 701 (3mm)	Diffusion Factor	Half Angle Value	Hiding Power
100 %	0.69	63	1
75 %	0.65	58	1
50 %	0.51	40	1
25 %	0.27	15	0.85

Mechanical properties*

	Measurement method	Unit	ALTUGLAS™ Diffuse 701
Rheology - Melt Flow Index	ISO 1133 230C/3.8 kg	g/10min	1.8
Vicat softening Point (B50)	ISO 306	°C	98
Heat deflection temperature	ISO 75-2	°C	93
Flexural modulus	ISO 178	Mpa	2800

*Properties are given as information and do not constitute any specification or guarantee about the product.

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