

# ACRYLITE® Satinice

Light diffusing acrylic for backlighting



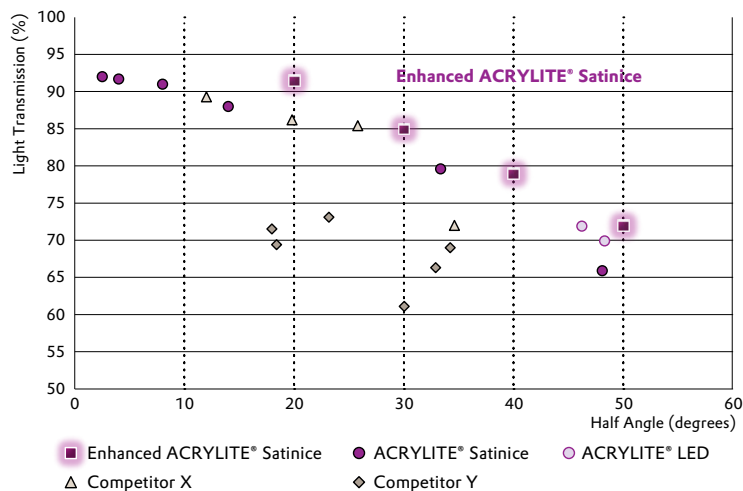
## Product

The ACRYLITE® Satinice optimum light diffusion portfolio has been expanded and now offers four additional grades with higher light transmission and greater diffusion. Designed for architectural and linear LED lighting applications, these superior ACRYLITE® Satinice specialty acrylic grades are offered in sheet and molding compounds. Injection molded, blow molded or custom extruded profile lenses are available through your preferred converter partner using ACRYLITE® Satinice molding compounds.

## ACRYLITE® Satinice provides the following outstanding properties:

- High light transmission with outstanding diffusion to eliminate LED hot spots
- Four enhanced grades provide a wide range of diffusion
- Scattering particles within the acrylic
- Matte surface (when extruded) provides better light scattering, glare reduction and scratch resistance

Diffuser Sheet Comparisons



**ACRYLITE® Satinice Product Information**

	df20 000	df21 000	df22 000	df23 000	* df21 0V452	* df21 0V453	* df21 0V454	LED 0V200	LED 0V606	zd 22 0V440	* df21 0V455
<b>Molding</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
<b>Extrusion</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Standard</b>	8N	8N	8N	8N	8N	8N	8N	8N H12 H15	8N H12 H15		8N
<b>Impact Modified</b>				zd23 zd24	zx21	zx21	zx21	zkX	zkX		zx21
<b>Sheet Equivalent</b>				ODO10 df	WD852	WD853	WD854			WD008	WD855
<b>Lighting Properties</b>											
<b>** Light Transmission @ 2mm</b>	92	92	91	90	92	85	79	72	70	64	72
<b>*** 1/2 angle @ 2mm</b>	2	4	8	12	20	30	40	46	48	48	50
<b>Recognitions</b>											
<b>UL 94 HB</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>RTI</b>	90	90	90	50 90	90	90	90	90	90	50	90
<b>AMECA Listed</b>	✓	✓	✓	✓							
<b>F1 Outdoor</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓

\* Enhanced ACRYLITE® Satinice

\*\* Measurements recorded with BYK Gardner Haze Gard Plus machine

\*\*\* The angle having half the light intensity of a collimated beam shone through a sample perpendicular to the light source. Twice the half angle is defined as the FWHM (Full Width Half Maximum)

**ACRYLITE® Satinice is available in acrylic polymers, sheet, rod, and tube.**

For more information on ACRYLITE® Satinice polymers, visit [www.acrylite-polymers.com](http://www.acrylite-polymers.com) or call +1 800 225-0172

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