

NUDEC[®] PMMA iFrost

NUDEC[®]PMMA iFrost is an extruded frosted acrylic sheet with a satin surface on one side and a matt surface on the other side. These velvety sheets offer a soft, warm and sophisticated appearance in combination with light. NUDEC[®]PMMA iFrost opens a wide range of possibilities in terms of lighting, specially for LED backlighting designs.

Applications

- P. O. S. displays
- Signage and illuminated objects
- Backlighting, lighted advertising signs
- Covers for lights and skylights
- Accessories and luminous panels
- Furniture, partitions, decorative elements
- Wall paneling in architectural applications
- Tradeshow booths and store design

Properties

The typical of NUDEC[®]PMMA, as well as the following special features:

- Good combination of light diffusion and light transmission
- More resistant to abrasion in comparison with other plastics
- Insensitive to fingerprints
- This material can be bonded, lasered and edgepolished

PROPERTIES	TEST	UNIT	VALUE
Optical			
Light transmission	ASTM D-1003	%	70 - 75*
Clarity	ASTM D-1003		<10
Half-power angle	DIN 5036-3	°	56
Thermal			
Scattering power	DIN 5036-3		0,60
Glow wire test	EN 60695-2-11	°C	650

* Light transmission values subject to thickness

For further technical details,
please see NUDEC[®]PMMA technical data sheet.

Delivery program

- Color: Ref. 381 Ice white
- Size: 2.500 x 1.250 mm
- Regularly produced in 2 and 3 mm thickness

NUDEC[®]PMMA iFrost Ref. 100 is a special product to be manufactured under request. Please contact us for further information about minimum order quantity, thicknesses or sizes.



NUDEC[®]PMMA iFrost offers a good balance of light transmission and light diffusion, at the same time that avoids LED light bulbs to be seen.

