

PLEXIGLAS® Satinice

Sheets and tubes

Product

With its warm and soft appearance, the velvety surface of PLEXIGLAS® Satinice simply cries out to be touched. Due to its translucency, the material looks especially attractive in combination with light.

This surface makes the material insensitive to traces of wear and finger marks. PLEXIGLAS® Satinice is available with a satin surface on one side (SC) or on both sides (DC), and in a grade with diffuser beads that are evenly distributed throughout the material, not just at the surface (DF).

Properties

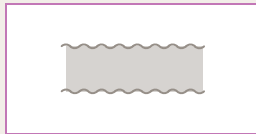
In addition to the well-known and time-tested properties of PLEXIGLAS®, such as

- excellent light transmission and brilliance
- very high weather resistance
- ease of fabrication
- low weight – about half the weight of glass
- 11 times the impact strength of glass
- 100% recyclability,

PLEXIGLAS® Satinice offers the following special features:

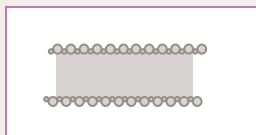
- white grades with varying degrees of light diffusion
- balanced ratio of light diffusion and transmittance
- grade OD010 DF meets food-contact requirements
- insensitivity to traces of wear

Surfaces and other properties of the various products:



Sheet: velvety frosted*, cast, (previously PLEXIGLAS SATINICE®)

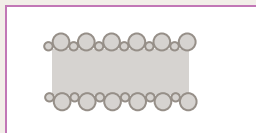
- + velvety frosted surface
- + light-diffusing
- + extremely easy to machine and fabricate
- + wide range of thicknesses and colors available from stock
- + insensitive surface



Sheet: velvety frosted*, extruded (new)

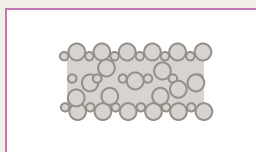
- + velvety frosted surface
- + light-diffusing
- + low thickness tolerance
- + tough surface due to diffuser beads

*The “velvety frosted” surfaces are identical in terms of their haptic and visual properties.



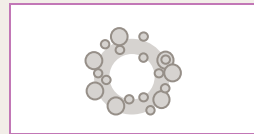
Sheets: frosted surface, extruded (previously PLEXIGLAS® Crystal Ice)

- + frosted surface
- + low thickness tolerance
- + tough surface due to diffuser beads
- + texture is retained after thermoforming



Sheets: frosted, optimum light diffusion, extruded (previously PLEXIGLAS® Satin Ice)

- + frosted surface
- + light-diffusing beads evenly distributed throughout the material
- + texture is retained after thermoforming
- + good balance between light diffusion and light transmission.



Tubes: frosted, optimum light diffusion, extruded

- + frosted surface
- + light-diffusing beads evenly distributed throughout the material

Applications

These properties make PLEXIGLAS® Satinice especially suitable for

- counters, shelves, tables, chairs, displays in furniture, exhibition booths and store fixtures
- wall paneling in architectural applications
- white-translucent grades as covers for lamps and skylights (especially OD010 DF)
- tubes as luminaires or lighting elements

Fabrication

PLEXIGLAS® Satinice can be fabricated just like standard PLEXIGLAS®. The following Guidelines for Workshop Practice are available for PLEXIGLAS®:

- Machining PLEXIGLAS® (No. 311-1)
- Forming PLEXIGLAS® (No. 311-2)
- Joining PLEXIGLAS® (No. 311-3)
The adhesive ACRIFIX® 2R 0195 with a matte satin surface has been specially designed for bonding PLEXIGLAS® Satinice.
- Fabricating Tips for PLEXIGLAS® Solid Sheets (No. 311-5)

Physical forms

PLEXIGLAS® Satinice is available in the following colors, sizes and thicknesses:

PLEXIGLAS® Satinice, colors

	Clear	White-translucent	Colored
Velvety frosted surface, cast	0F00 DC 0F00 SC	WH02 DC WH02 SC WH10 DC	Trend colors Colors
Velvety frosted surface, extruded	0M033 DC 0M033 SC	WM513 DC WM513 SC WM570 DC	✓
Fine satin surface, extruded	0M001 DC 0M001 SC	✓	✓
Fine satin surface, optimum light diffusion, extruded	0D010 DF	✓	✓
Fine satin surface, extruded tubes	0D010 DF	✓	✓

DC satin surface on both sides

SC satin surface on one side

✓ on request

PLEXIGLAS® Satinice, sizes

	Size	Thicknesses
Velvety frosted surface, cast	3050 x 2030 mm	3 – 20 mm
Velvety frosted surface, extruded	3050 x 2050 mm	3 – 8 mm
Fine satin surface, extruded	3050 x 2050 mm	3 – 8 mm
Fine satin surface, optimum light diffusion, extruded	3050 x 2050 mm	3 – 8 mm
Fine satin surface, extruded tubes	Ø50 – Ø200 mm	3 mm (wall)

You can find the complete range of products in the PLEXIGLAS® Sales Handbook.

® = registered trademark PLEXIGLAS is a registered trademark of Evonik Röhm GmbH, Darmstadt, Germany.
Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

Evonik Industries is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the ACRYLITE® trademark in the Americas.

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