

# 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).Produkt

### Properties

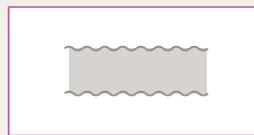
In addition to the well-known and time-tested properties of PLEXIGLAS®, such as

- 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:

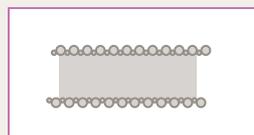
- white grades with varying degrees of light diffusion
- balanced ratio of light diffusion and transmittance
- grade OD010 DF meets food-contact requirements
- insensitivity to traces of wear

### Surfaces and other properties of the various products:



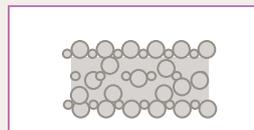
cast sheet

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



extruded sheet

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



extruded sheet with optimum light diffusion

- + 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 0D010 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	colores
Cast sheet	0F00 DC 0F00 SC	WH02 DC WH02 SC WH10 DC	many colors
Extruded sheet	0M033 DC 0M033 SC	WM513 DC WM513 SC	✓
optimum light diffusion, extruded	0D010 DF	✓	✓
extruded tubes	0D010 DF	✓	✓

- DC satin surface on both sides
- SC satin surface on one side
- DF satin surface on both sides / beads evenly distributed
- ✓ on request

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

#### PLEXIGLAS® Satinice, sizes

	Size	Thicknesses
Cast sheet	3050 x 2030 mm	3 - 20 mm
Extruded sheet	3050 x 2050 mm	3 - 8 mm
optimum light diffusion, 3050 x 2050 mm extruded		3 - 8 mm
extruded tubes	∅50 - ∅200 mm	3 mm (wall)

® = 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 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.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

#### Evonik Performance Materials GmbH

Acrylic Polymers

Kirschenallee, 64293 Darmstadt, Germany

[info@plexiglas.net](mailto:info@plexiglas.net) [www.plexiglas.net](http://www.plexiglas.net) [www.evonik.com](http://www.evonik.com)

Ref. No. 211-11 July 2015