

**PRODUCT INFORMATION**

# PLEXIGLAS® Satinice df22 8N

**Product Profile:**

PLEXIGLAS® Satinice df22 8N, based on PLEXIGLAS® 8N, is characterized by diffuse scattering of light.

Typical properties of PLEXIGLAS® molding compound are

- good flow
- high mechanical strength, surface hardness and mar resistance
- very good weather resistance.

Special properties of PLEXIGLAS® Satinice df22 8N are

- very good lightdiffusion combined with excellent light transmittance.

**Application:**

Used for injection molding items for lighting engineering applications

**Examples:**

luminaire covers, projection screens and similar applications

**Processing:**

PLEXIGLAS® Satinice df22 8N can be processed on injection molding machines with 3-zone general purpose screws for engineering thermoplastics.

**Physical Form / Packaging:**

PLEXIGLAS® Satinice df molding compounds are supplied as pellets of uniform size, packaged in 25kg polyethylene bags; other packaging on request.

**For more information:**

For more information, e.g. Charts or lists of resistance are in the database CAMPUS ® (<http://www.campusplastics.com>) free of charge.

## Properties:

	Parameter	Unit	Standard	PLEXIGLAS® Satinice df22 8N
<b>Mechanical Properties</b>				
Tensile Modulus	1 mm/min	MPa	ISO 527	3300
Stress @ Break	5 mm/min	MPa	ISO 527	67
Strain @ Break	5 mm/min	%	ISO 527	3.5
Charpy Impact Strength	23°C	kJ/m <sup>2</sup>	ISO 179/1eU	18
Charpy Notched Impact Strength	23°C	kJ/m <sup>2</sup>	ISO 179/1eA	1.8
<b>Thermal Properties</b>				
Vicat Softening Temperature	B / 50	°C	ISO 306	109
Glass Transition Temperature		°C	ISO 11357	110
Temp. of Deflection under Load	0.45 MPa	°C	ISO 75	103
Temp. of Deflection under Load	1.8 MPa	°C	ISO 75	98
Coeff. of Linear Therm. Expansion	0 - 50°C	E-5 /°K	ISO 11359	6.3
Classes of construction product			DIN EN 13501-1	E
Glow Wire Ignition Temperature		°C	IEC 60695-2	700
<b>Rheological Properties</b>				
Melt Volume Rate, MVR	230°C / 3.8kg	cm <sup>3</sup> /10min	ISO 1133	2.4
<b>Optical Properties</b>				
Luminous transmittance	d=3 mm	%	ISO 13468-2	86
Half-Value Angle		°	DIN 5036	12.5
<b>Other Properties</b>				
Density		g/cm <sup>3</sup>	ISO 1183	1.19
<b>Recommended Processing Conditions</b>				
Predrying Temperature		°C		max. 95
Predrying Time in Desiccant-Type Drier		h		2 - 3
Melt Temperature		°C		220 - 260
Mold Temperature (Injection Molding)		°C		60 - 90

All listed technical data are typical values intended for your guidance. They are given without obligation and do not constitute a materials specification.

Certified to ISO 9001:2015, ISO 14001:2015 and IATF 16949:2016.

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