PRODUCT INFORMATION

PLEXIGLAS® Satinice df21 8N

Product Profile:

PLEXIGLAS® Satinice df21 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 df21 8N are

• good lightdiffusion combined with excellent light transmittance.

Application:

Used for injection molding items for lighting engineering applications

Examples:

displays, backlight units

Processing:

PLEXIGLAS® Satinice df21 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 df21 8N
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	3300
Stress @ Break	5 mm/min	MPa	ISO 527	71
Strain @ Break	5 mm/min	%	ISO 527	4.5
Charpy Impact Strength	23°C	kJ/m²	ISO 179/1eU	18
Charpy Notched Impact Strength	23°C	kJ/m²	ISO 179/1eA	1.8
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	109
Glass Transition Temperature		°C	ISO 11357	111
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
Rheological Properties				
Melt Volume Rate, MVR	230°C / 3.8kg	cm³/10min	ISO 1133	2.5
Optical Properties	d=3 mm			
Luminous transmittance	D65	%	ISO 13468-2	87
Half-Value Angle		°	DIN 5036	5.4
Other Properties				
Density		g/cm³	ISO 1183	1.19
Recommended Processing Conditions				
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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