CAMPUS® foglio dati

PLEXIGLAS® Satinice df21 8N - PMMA
Röhm GmbH

RÖHM
TRADITIONALLY INNOVATIVE

Testo del prodotto

Productprofil:

PLEXIGLAS® Satinice df21 8N molding compound, 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 transmission.

Application:

Used for injection molding items for lighting engineering applications

Example:

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.

Proprietà Reologiche	Valore	Unitá	Norma del test
Indice di fusione di volume, MVR	**2.5**	cm³/10min	ISO 1133
Temperatura	**230**	°C	ISO 1133
Carico	**3.8**	kg	ISO 1133
Proprietà Meccaniche	**Valore**	**Unitá**	**Norma del test**
Modulo a trazione	**3300**	MPa	ISO 527-1/-2
Carico unitario a rottura	**71**	MPa	ISO 527-1/-2
Deformazione a rottura	**4.5**	%	ISO 527-1/-2
Resistenza all'urto Charpy, +23°C	**18**	kJ/m²	ISO 179/1eU
Proprietà Termiche	**Valore**	**Unitá**	**Norma del test**
Temperatura di transizione vetrosa, 10°C/min	**111**	°C	ISO 11357-1/-2
Temp.di inflessione sotto carico, 1.80 MPa	**98**	°C	ISO 75-1/-2
Temp.di inflessione sotto carico, 0.45 MPa	**103**	°C	ISO 75-1/-2
Temp.di rammollimento Vicat, 50°C/h 50N	**109**	°C	ISO 306

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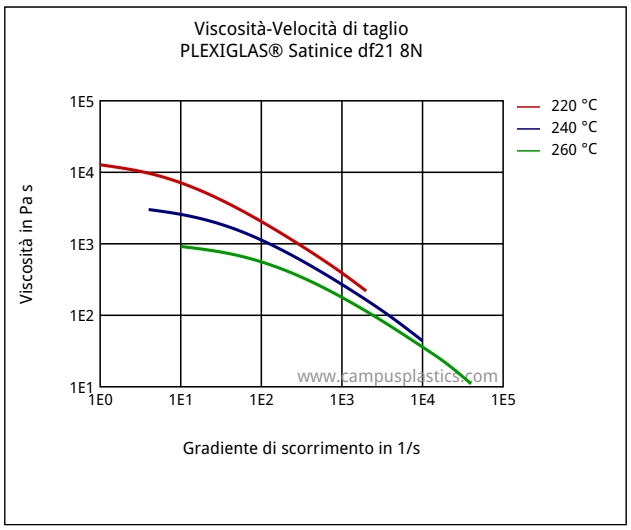
Coeff.di dilatazione termica lin., parallelo	**63**	E-6/K	ISO 11359-1/-2

Proprietà Elettriche	**Valore**	**Unitá**	**Norma del test**
Resistività volumica	**>1E13**	Ohm*m	IEC 62631-3-1
Resistività superficiale	**1E13**	Ohm	IEC 62631-3-2

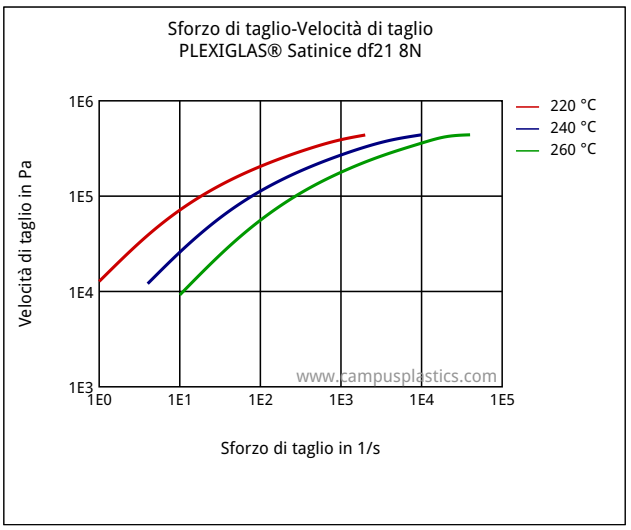
Altre Proprietà	**Valore**	**Unitá**	**Norma del test**
Massa volumica	**1190**	kg/m³	ISO 1183

Funzioni

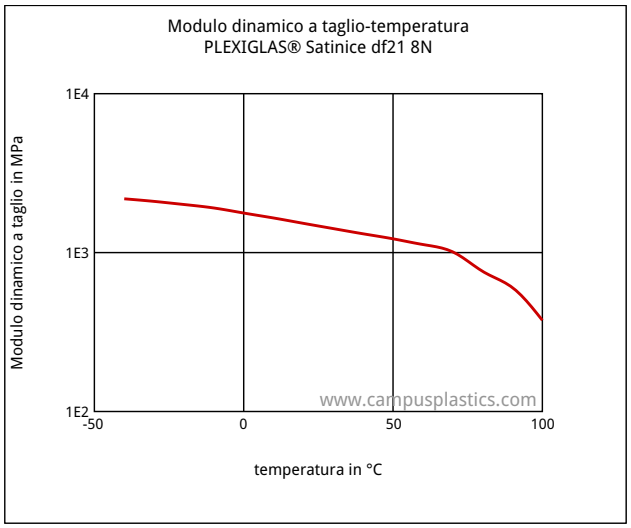
Viscosità-Velocità di taglio



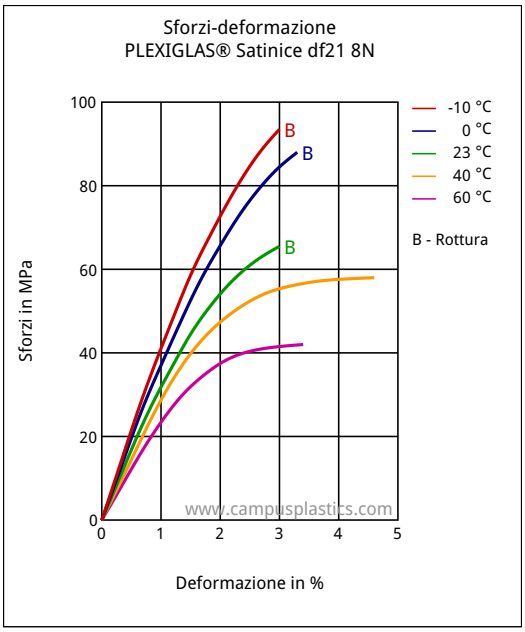
Sforzo di taglio-Velocità di taglio



Modulo dinamico a taglio-temperatura



Sforzi-deformazione



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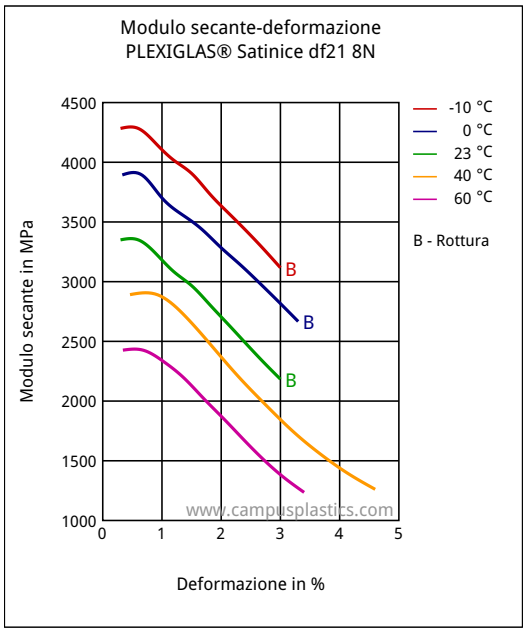
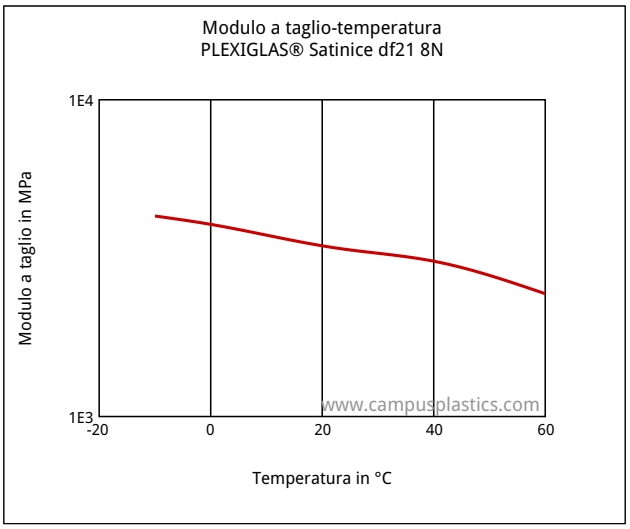
Modulo secante-deformazione



Modulo a taglio-temperatura



Caratteristiche

Processabilità e Forma di Forni
Stampaggio ad Iniezione

Additivi
Agente di distacco

Forma fisica disponibile
Pellet

Caratteristiche speciali
Stabilizzato o stabile alla luce, Stab. agli U.V. o per applicaz.in esterni

Altre informazioni

Stampaggio ad Iniezione
PREPROCESSING
Predrying temperature: max. 95 °C
Predrying time in a desiccant-type drier: 2 - 3 h
PROCESSING
Melt temperature: 220 - 260°C
Mold temperature:60 - 90°C

Resistenza chimica

Acidi
- Acido acetico (5% da massa) (23°C)
- Soluzione acida citrica (10% da massa) (23°C)
- Acido lattico (10% da massa) (23°C)
- Acido solforico (38% da massa) (23°C)
- Acido solforico (5% da massa) (23°C)

Basi
- Soluzione dell' idrossido del sodio (35% da massa) (23°C)
- Soluzione dell' idrossido del sodio (1% da massa) (23°C)
- Soluzione dell' idrossido di ammonio (10% da massa) (23°C)

Idrocarburi

- n-Hexane (23°C)
- isoottano (23°C)

Combustibili Standard

- Combust. stand. senza alcool (pref. ISO 1817 liquido C) (23°C)
- Combust. stand. con alcool (pref. ISO 1817 liquido 4) (23°C)
- Combustibile diesel (pref. ISO 1817 liquido F) (23°C)

Soluzioni saline

- Soluzione del carbonato di sodio (20% da massa) (23°C)
- Soluzione del carbonato di sodio (2% da massa) (23°C)

Altri

- acido oleico 50% + olio di oliva 50% (23°C)
- Acqua (23°C)

All listed technical data are typical values intended for your guidance.
They are given without obligation and do not constitute a materials specification. Should you have any further questions concerning material behavior or properties, please contact us at the following address :

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NAFTA:
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Sales range and technical data subject to alteration.