

## PRODUCT INFORMATION

# PLEXIGLAS® Softlight 7N df23

### Product Profile:

PLEXIGLAS® Softlight 7N df23, based on PLEXIGLAS® 7N, 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® Softlight 7N df23 are

- excellent lightdiffusion combined with excellent light transmittance.

### Application:

Used for injection molding items for lighting engineering applications

### Examples:

applications that call for good light diffusion combined with optimum transmission

### Processing:

PLEXIGLAS® Softlight 7N df23 can be processed on injection molding machines with 3-zone general purpose screws for engineering thermoplastics.

### Physical Form / Packaging:

PLEXIGLAS® Softlight 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® Softlight 7N df23
<b>Mechanical Properties</b>				
Tensile Modulus	1 mm/min	MPa	ISO 527	3400
Stress @ Break	5 mm/min	MPa	ISO 527	65
Strain @ Break	5 mm/min	%	ISO 527	2,5
Charpy Impact Strength	23°C	kJ/m <sup>2</sup>	ISO 179/1eU	17
Charpy Notched Impact Strength	23°C	kJ/m <sup>2</sup>	ISO 179/1	1,8
<b>Thermal Properties</b>				
Vicat Softening Temperature	B / 50	°C	ISO 306	105
Glass Transition Temperature		°C	ISO 11357	108
Temp. of Deflection under Load	0.45 MPa	°C	ISO 75	101
Temp. of Deflection under Load	1.8 MPa	°C	ISO 75	97
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	4,1
<b>Optical Properties</b>				
	d=3 mm			
Luminous transmittance	D65	%	ISO 13468-2	81
Half-Value Angle		°	DIN 5036	21
<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
Die Temperature (Extrusion)		°C		220 - 260

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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Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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The logo for Röhm, featuring the word "RÖHM" in a bold, black, sans-serif font. The letter "R" is significantly larger than the other letters, and the "O" has a small circle above it, resembling a registered trademark symbol.