

PRODUCT INFORMATION

PLEXIGLAS® Softlight 8N df43

Product Profile:

PLEXIGLAS® Softlight 8N df43 is characterized by diffuse scattering of light.

Typical properties of PLEXIGLAS® molding compounds are

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

Special properties of PLEXIGLAS® Softlight 8N df43 are

- excellent light diffusion combined with excellent light transmittance.

Application:

Used for injection molded and extruded parts for lighting applications.

Examples:

luminaire covers, projection screens, lenses and similar applications.

Processing:

PLEXIGLAS® Softlight 8N df43 can be processed on injection molding and extrusion machines with 3-zone general purpose screws for engineering thermoplastics.

Physical Form / Packaging:

PLEXIGLAS® Softlight 8N df43 is supplied as pellets of uniform size, packaged in 25kg polyethylene bags; other packaging on request.

Properties:

	Parameter	Unit	Standard	PLEXIGLAS® Softlight 8N df43
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	3300
Stress @ Break	5 mm/min	MPa	ISO 527	72
Strain @ Break	5 mm/min	%	ISO 527	4,4
Charpy Impact Strength	23°C	kJ/m²	ISO 179/1eU	18
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	108
Rheological Properties				
Melt Volume Rate, MVR	230°C / 3,8kg	cm³/10min	ISO 1133	2,6
Optical Properties				
Luminous transmittance	d=3 mm			
Luminous transmittance	D65	%	ISO 13468-2	67
Half-Value Angle		°	DIN 5036	35
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.

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.

Röhm 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.

® = registered trademark

PLEXIGLAS and PLEXIMID are registered trademarks of Röhm GmbH.

Röhm GmbH • Darmstadt • Germany
plexiglas.polymers@roehm.com
www.plexiglas-polymers.com

Ref. No.: MC504 A1142

