PLEXIGLAS®
THE ORIGINAL BY RÖHM

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.

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

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	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.

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