

PLEXIGLAS® Softlight 8N df20

PMMA

Röhm GmbH

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2.5	cm³/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3300	MPa	ISO 527
Stress at Break	74	MPa	ISO 527
Strain at Break	5	%	ISO 527
Impact Strength (Charpy), +23°C	19	kJ/m²	ISO 179/1eU

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	98	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	103	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	108	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	63	E-6/K	ISO 11359-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1190	kg/m³	ISO 1183

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Luminous transmittance	88	%	ISO 13468-1, -2

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	≤95	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	220 - 260	°C	-
Mold temperature	60 - 90	°C	-

Characteristics

Processing

Injection Molding

Features

Light Diffusing, Light Guiding, Scratch Resistant

Delivery form

Pellets

Applications

Electrical and Electronical

Special Characteristics

Light stabilized or stable to light, UV stabilized

Disclaimer

Liability Exclusion

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