

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler,UV stabilised
Special Features	translucent,light scattering,high light diffusion
Market Segment	Automotive,Lighting
Application Area	lighting,light transparent components,injection moulded parts
Typical Applications	lamp covers,display elements,operating elements

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	2400	MPa	ISO 527
^[C] Yield stress	66	MPa	ISO 527
^[C] Yield strain	6	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
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ISO Data

^[C] Temp. of deflection under load, 1.80 MPa	124	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	142	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
^[C] Burning Behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1190	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Diffusing

Delivery form

White

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Special Characteristics

U.V. stabilized or stable to weather

Other text information**Injection molding**

Pre-Drying Conditions

120 °C in a dry air (dessiccant) dryer
for 2-4 h

120 °C in an air circulating dryer
for 4-12 h

max. moisture content <0,02 %

Processing Injection Moulding melt temperature 270-310 °C
 mould temperature 80-110 °C

Storage dry, protected from light