

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler, release agent
Special Features	translucent, light scattering, high light diffusion, easy flow
Market Segment	Automotive, Lighting
Application Area	lighting, light transparent components
Typical Applications	lamp covers, display elements, operating elements

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	25	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
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	11	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
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.	V-2	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
^[C] Density	1200	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

White

Additives

Release agent

Features

Light Diffusing

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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