

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler,UV stabilised
Special Features	high light transmission,dependent on wall thickness,light scattering,high light diffusion,dependent on wall thickness,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	37	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	8	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.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
^[C] Burning Behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Other properties

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

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Diffusing

Special Characteristics

U.V. stabilized or stable to weather

Regional Availability

North America, Europe, Asia Pacific, 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