

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler,20 % glass fibres,UV stabilised
Special Features	high light transmission,light scattering,high light diffusion
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	13	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	6000	MPa	ISO 527
^[C] Stress at break	90	MPa	ISO 527
^[C] Strain at break	2.7	%	ISO 527
^[C] Charpy impact strength, +23°C	47	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	142	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	146	°C	ISO 306

[C]: CAMPUS

Other properties**Value****Unit****Test Standard**

^[C] Density	1330	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 2-3 h
max. moisture content <0,02 %

Processing Injection Moulding melt temperature 290-320 °C
mould temperature 80-130 °C

Storage dry, protected from light