

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	UV stabilised
Special Features	light scattering
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	6.5	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	2200	MPa	ISO 527
^[C] Yield stress	63	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
--	-------	------	---------------

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]: CAMPUS

Other properties

	Value	Unit	Test Standard
--	-------	------	---------------

^[C] Density	1190	kg/m ³	ISO 1183
------------------------	------	-------------------	----------

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Diffusing

Delivery form

White

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
Processing Extrusion	melt temperature 240-280 °C
Storage	dry, protected from light