

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler,UV stabilised
Special Features	translucent,light scattering,high light diffusion,extrusion grade
Market Segment	Lighting
Application Area	lighting,light transparent components
Typical Applications	lamp covers

Processing/Physical Characteristics

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

ISO Data

^[C] Melt volume-flow rate, MVR	7	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	2300	MPa	ISO 527
^[C] Yield stress	64	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	130	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	143	°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

Special Characteristics

U.V. stabilized or stable to weather

Regional Availability

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

Other text information**Other extrusion**

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 <0,01 %

Processing Extrusion extrusion melt temperature 240-280 °C

Storage dry, protected from light