

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler,halogen-free flame retardant,UV stabilised
Special Features	light scattering,processing stabilised,injection moulding grade
Market Segment	Automotive,Lighting,electrical and electronic
Application Area	lighting,light transparent components
Typical Applications	display elements,operating elements

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	12	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	65	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	127	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	140	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-2	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	1200	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Diffusing

Special Characteristics

Flame retardant, 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