

Product Texts

Base Polymer	Polycarbonate
Special Features	impact modified,UV stabilised,contains recycled material
Market Segment	electrical and electronic,Lighting,various
Application Area	lamps,light blocking components,various
Typical Applications	light guides,lamps,sockets,various

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	17	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	2500	MPa	ISO 527
^[C] Yield stress	57	MPa	ISO 527
^[C] Yield strain	5.7	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	40	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
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ISO Data

^[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	-

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1250	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Delivery form

White

Applications

Electrical and Electronical

Special Characteristics

High impact or impact modified, 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