

**Product Texts**

Base Polymer	Polycarbonate
Filler/Additive System	special filler, flame retardant, chlorine and bromine free, UV stabilised
Special Features	opaque, highly reflective
Market Segment	Automotive, Lighting, electrical and electronic
Application Area	lighting, light blocking components, domestic appliances
Typical Applications	light guides, reflectors, housings

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
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**ISO Data**

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

[C]: CAMPUS

**Mechanical properties**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Tensile Modulus	2800	MPa	ISO 527
<sup>[C]</sup> Yield stress	60	MPa	ISO 527
<sup>[C]</sup> Yield strain	5.5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	140	°C	ISO 306
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

**Other properties**

	Value	Unit	Test Standard
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<sup>[C]</sup> Density	1330	kg/m <sup>3</sup>	ISO 1183
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[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Features**

Light Blocking

**Delivery form**

White

**Regional Availability**

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

**Special Characteristics**

Flame retardant, U.V. stabilized or stable to weather

**Other text information****Injection molding**

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-4 h 120 °C in an air circulating dryer for 4-12 h
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	max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 280-320 °C mould temperature 80-110 °C
Storage	dry, protected from light