

**Product Texts**

Base Polymer	Polycarbonate
Special Features	high light transmission,light scattering,easy flow,UV stabilised
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
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**ISO Data**

<sup>[C]</sup> Melt volume-flow rate, MVR	<b>35</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-

[C]: CAMPUS

**Mechanical properties**

	Value	Unit	Test Standard
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**ISO Data**

<sup>[C]</sup> Tensile Modulus	<b>2400</b>	MPa	ISO 527
<sup>[C]</sup> Yield stress	<b>66</b>	MPa	ISO 527
<sup>[C]</sup> Yield strain	<b>6</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>12</b>	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	<b>124</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	<b>142</b>	°C	ISO 306
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<sup>[C]</sup> Burning Behav. at thickness h	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Yellow Card available	<b>yes</b>	-	-

[C]: CAMPUS

**Other properties**

	Value	Unit	Test Standard
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<sup>[C]</sup> Density	<b>1190</b>	kg/m <sup>3</sup>	ISO 1183
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[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Regional Availability**

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

**Features**

Light Diffusing

**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