

**Product Texts**

- polycarbonate
- MVR (300 °C/1.2 kg) 34 cm<sup>3</sup>/10 min
- easy release
- Easy flow
- low viscosity
- translucent material with low diffusion for light guides and thick-wall optical parts

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	<b>34</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	<b>0.7</b>	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	<b>0.7</b>	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>2200</b>	MPa	ISO 527
<sup>[C]</sup> Yield stress	<b>63</b>	MPa	ISO 527
<sup>[C]</sup> Yield strain	<b>6</b>	%	ISO 527
Nominal strain at break	<b>&gt;50</b>	%	ISO 527
Izod notched impact strength, +23°C	<b>12</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>12</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-20</b>	°C	-
<sup>[C]</sup> Puncture - maximum force, +23°C	<b>4900</b>	N	ISO 6603-2
<sup>[C]</sup> Puncture - maximum force, -30°C	<b>5900</b>	N	ISO 6603-2
<sup>[C]</sup> Puncture energy, +23°C	<b>50</b>	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	<b>55</b>	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Glass transition temperature, 10°C/min	<b>145</b>	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>125</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	<b>138</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	<b>145</b>	°C	ISO 306

[C]: CAMPUS

Optical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Luminous transmittance	<b>87<sup>[1]</sup></b>	%	ISO 13468-1, -2

1: 3 mm, Color 029305

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>0.3</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.12</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1190</b>	kg/m <sup>3</sup>	ISO 1183
Bulk density	<b>660</b>	kg/m <sup>3</sup>	-

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	<b>280</b>	°C	ISO 294
Injection Molding, mold temperature	<b>80</b>	°C	ISO 294
Injection Molding, injection velocity	<b>200</b>	mm/s	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 300	°C	-
Mold temperature	70 - 120	°C	-
Zone 1	250	°C	-
Zone 2	270 - 290	°C	-
Zone 3	270 - 290	°C	-
Nozzle temperature	270 - 305	°C	-
Back pressure	10 - 20	MPa	-

## Characteristics

### Processing

Injection Molding

### Additives

Release agent

### Special Characteristics

Translucent

### Features

Light Guiding

### Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa