

**Product Texts**

- MVR (300 °C/1.2 kg) 34 cm³/10 min
- low viscosity
- UV stabilized
- easy release
- high optical transmittance
- LED Lighting, optics and lenses

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	<b>34</b>	cm³/10min	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>2400</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
Flexural modulus, 23°C	<b>2350</b>	MPa	ISO 178
Flexural strength	<b>97</b>	MPa	ISO 178
<sup>[C]</sup> Charpy impact strength, +23°C	<b>N</b>	kJ/m²	ISO 179/1eU
Izod notched impact strength, +23°C	<b>55</b>	kJ/m²	ISO 180/1A
Izod notched impact strength	<b>12</b>	kJ/m²	ISO 180/1A
Temperature	<b>-30</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>55</b>	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	<b>60</b>	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>123</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	<b>136</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	<b>143</b>	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	<b>65</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	<b>65</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

[C]: CAMPUS

Optical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Haze	<b>0.5</b>	-	ISO 14782
<sup>[C]</sup> Luminous transmittance	<b>90</b>	%	ISO 13468-1, -2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	<b>1190</b>	kg/m³	ISO 1183

[C]: CAMPUS

Film Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Thickness of specimen	3	mm	-

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	200	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	250 - 300	°C	-
Mold temperature	70 - 110	°C	-
Zone 1	230 - 240	°C	-
Zone 2	250 - 260	°C	-
Zone 3	260 - 270	°C	-
Nozzle temperature	260 - 270	°C	-
Back pressure	10 - 20	MPa	-

## Characteristics

### Processing

Injection Molding

### Additives

Release agent

### Special Characteristics

U.V. stabilized or stable to weather, Transparent

### Regional Availability

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