

**Product Texts**

Siloxane-PC copolymer

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>10</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
<b>Other Standards<sup>[5]</sup></b>			
Molding shrinkage, parallel	<b>0.7</b>	%	Producer Method
Molding shrinkage, normal	<b>0.7</b>	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>59</b>	MPa	ISO 527
Nominal strain at break	<b>115</b>	%	ISO 527
Flexural modulus, 23°C	<b>2200</b>	MPa	ISO 178
Flexural strength	<b>90</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>80</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>25</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	<b>820</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>700</b>	J/m	ASTM D 256
Temperature	<b>-30</b>	°C	-

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>123</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>70</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>0.4</b>	mm	-

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Luminous transmittance	<b>87<sup>[1]</sup></b>	%	ISO 13468-1, -2
<b>ASTM Data</b>			
Haze	<b>1.3<sup>[2]</sup></b>	%	ASTM D 1003
Index of Refraction	<b>1.58</b>	-	ASTM D 542

1: 3mm 2: 3 mm

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1180</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>5 - 8</b>	h	-
Melt temperature	<b>270 - 310</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-

**Characteristics**

**Processing**  
Injection Molding

**Features**  
Copolymer

**Special Characteristics**

Transparent

**Regional Availability**

North America, Europe, Asia Pacific