

**Product Texts**

Siloxane-PC copolymer

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	4	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
<b>Other Standards<sup>[5]</sup></b>			
Molding shrinkage, parallel	0.7	%	Producer Method
Molding shrinkage, normal	0.7	%	Producer Method

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	58	MPa	ISO 527
Nominal strain at break	100	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	70	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	30	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, +23°C, 3mm	75	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	70	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	118	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	132	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2

Optical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Luminous transmittance	89 <sup>[1]</sup>	%	ISO 13468-1, -2
<b>ASTM Data</b>			
Haze	0.4 <sup>[1]</sup>	%	ASTM D 1003

1: 3 mm

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

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

**Characteristics**

**Processing**

Injection Molding

**Features**

Copolymer

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Transparent

**Regional Availability**

North America, Europe, Asia Pacific