

Product Texts

Siloxane-PC copolymer

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Other Standards^[5]			
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
ISO Data			
Yield stress	60	MPa	ISO 527
Nominal strain at break	100	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Charpy notched impact strength, +23°C	90	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	75	kJ/m ²	ISO 179/1eA
ASTM Data			
Izod Impact notched, 1/8 in	850	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	750	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	139	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	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 - 110	°C	-

Characteristics

Processing

Injection Molding

Features

Copolymer

Regional Availability

North America, Europe, Asia Pacific