

Product Texts

Siloxane-PC copolymer

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	30	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Other Standards^[5]			
Molding shrinkage, parallel	0.1	%	Producer Method
Molding shrinkage, normal	0.3	%	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	136	MPa	ISO 527
Nominal strain at break	1.4	%	ISO 527
Flexural modulus, 23°C	12400	MPa	ISO 178
Flexural strength	200	MPa	ISO 178
Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	105	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.0	mm	-

Other properties

	Value	Unit	Test Standard
Density	1520	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	270 - 310	°C	-
Mold temperature	50 - 80	°C	-

Characteristics

Processing

Injection Molding

Features

Copolymer

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant