

ISOCLEAR® A 10 60

PC

Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	65	MPa	ISO 527
Strain at break	100	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	60	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	60	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	127	°C	ISO 75-1/-2
Vicat softening temperature, B	145	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E16	Ohm*m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3	h	-
Melt temperature	260 - 290	°C	-
Mold temperature	80 - 100	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat, Transparent

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America