

ISOTER® A 20 180

ABS

Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	40	MPa	ISO 527
Strain at break	18	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	78	MPa	ISO 178
Charpy impact strength, +23°C	130	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	17	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	17	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Vicat softening temperature, B	93	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	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	1040	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	0.5 - 2	h	-
Melt temperature	210 - 240	°C	-
Mold temperature	30 - 60	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Certifications

RoHS compliant

Applications

Electrical and Electronical, General Purpose

Regional Availability

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