

**ISOTER® A 10 150 HT**

ABS

Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>10</b>	g/10min	ISO 1133
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Molding shrinkage, parallel	<b>0.6</b>	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	<b>40</b>	MPa	ISO 527
Strain at break	<b>10</b>	%	ISO 527
Flexural modulus, 23°C	<b>2500</b>	MPa	ISO 178
Flexural strength	<b>80</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>105</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>12</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>12</b>	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>95</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>105</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	<b>1E16</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	<b>1050</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>70 - 80</b>	°C	-
Pre-drying - Time	<b>0.5 - 2</b>	h	-
Melt temperature	<b>220 - 250</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Certifications**

RoHS compliant

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

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