

**NILAC 010**

ABS

Soredi S.p.a.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>24</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.0055</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>44</b>	MPa	ASTM D 638
Flexural Modulus	<b>2400</b>	MPa	ASTM D 790
Flexural Strength	<b>65</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 110</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>192</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>96.1</b>	J/m	ASTM D 256
Temperature	<b>-20</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Coeff. of linear therm. expansion, normal	<b>90</b>	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
DTUL @ 264 psi	<b>92</b>	°C	ASTM D 648
Vicat Temperature	<b>98</b>	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>2.8</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>100</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E15</b>	Ohm	IEC 62631-3-2
Electric strength	<b>30</b>	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Humidity absorption	<b>0.3</b>	%	Sim. to ISO 62
Density	<b>1050</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Delivery form**

Natural Color