

**NILAC HI**

ABS

Soredi S.p.a.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	38	MPa	ASTM D 638
Flexural Modulus	1700	MPa	ASTM D 790
Flexural Strength	60	MPa	ASTM D 790
Rockwell Hardness	R 100	-	ASTM D 785
Izod Impact notched, 1/8 in	336	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	173	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	88	°C	ASTM D 648
Vicat Temperature	96	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation factor, 1MHz	100	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Electric strength	30	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1040	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Natural Color

**Regional Availability**

Europe