

**NILAC F17**

ABS-GF17

Soredi S.p.a.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>8</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.004</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength at Break	<b>65</b>	MPa	ASTM D 638
Flexural Modulus	<b>5000</b>	MPa	ASTM D 790
Flexural Strength	<b>90</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 115</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>67.3</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>48</b>	J/m	ASTM D 256
Temperature	<b>-20</b>	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Coeff. of linear therm. expansion, normal	<b>40</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>100</b>	°C	ASTM D 648
Vicat Temperature	<b>106</b>	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</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
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1170</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Delivery form**

Natural Color