

**Bergamid™ A700 G30 H (f1)**

PA66-GF30

Avient Corporation

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>10000</b>	MPa	ISO 527
Stress at break	<b>185</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Charpy impact strength, +23°C	<b>85</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>75</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>250</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>250</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.7</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>3</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>3.7</b>	-	IEC 62631-2-1
Volume resistivity	<b>1E9</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E12</b>	Ohm	IEC 62631-3-2
Electric strength	<b>90</b>	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>21</b>	kV/mm	ASTM D 149
<b>Other properties</b>			
Density	<b>1350</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific, Near East/Africa

**Special Characteristics**

Heat stabilized or stable to heat