

**XEBRID 21-C10-G20**

PA12-(CF+GF)30

Xenia Srl

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.3</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.5</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>10000</b>	MPa	ISO 527
Stress at break	<b>135</b>	MPa	ISO 527
Strain at break	<b>3.6</b>	%	ISO 527
Flexural modulus, 23°C	<b>8000</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>60</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>18</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	<b>14</b> <b>-30</b>	kJ/m <sup>2</sup> °C	ISO 180/1A -
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 8.00 MPa	<b>115</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>175</b>	°C	ISO 306
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>5E6</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1200</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80 - 100</b>	°C	-
Pre-drying - Time	<b>6 - 8</b>	h	-
Melt temperature	<b>240 - 255</b>	°C	-
Mold temperature	<b>80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe