

**XEBRID 21-C20-G40**

PA12-(CF+GF)60

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>0.2</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.3</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>21500</b>	MPa	ISO 527
Stress at break	<b>170</b>	MPa	ISO 527
Strain at break	<b>2.1</b>	%	ISO 527
Flexural modulus, 23°C	<b>19500</b>	MPa	ISO 178
Flexural strength	<b>265</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>54</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>15</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	<b>13</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>140</b>	°C	ISO 75-1/-2
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>0.05</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1000</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1500</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>250 - 265</b>	°C	-
Mold temperature	<b>115</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe