

**XEBRID 1-C10-G10**

PA66-(CF+GF)20

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>0.4</b>   | %           | ISO 294-4, 2577      |
| Molding shrinkage, normal                  | <b>0.6</b>   | %           | ISO 294-4, 2577      |

| <b>Mechanical properties</b>                | <b>Value</b>           | <b>Unit</b>             | <b>Test Standard</b> |
|---|------------------------|-------------------------|----------------------|
| <b>ISO Data</b>                             |                        |                         |                      |
| Tensile Modulus                             | <b>12000</b>           | MPa                     | ISO 527              |
| Stress at break                             | <b>180</b>             | MPa                     | ISO 527              |
| Strain at break                             | <b>2.2</b>             | %                       | ISO 527              |
| Flexural modulus, 23°C                      | <b>9500</b>            | MPa                     | ISO 178              |
| Flexural strength                           | <b>260</b>             | MPa                     | ISO 178              |
| Izod impact strength, +23°C                 | <b>38</b>              | kJ/m <sup>2</sup>       | ISO 180/1U           |
| Izod notched impact strength, +23°C         | <b>6</b>               | kJ/m <sup>2</sup>       | ISO 180/1A           |
| Izod notched impact strength<br>Temperature | <b>5</b><br><b>-30</b> | kJ/m <sup>2</sup><br>°C | ISO 180/1A<br>-      |

| <b>Thermal properties</b>                | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                          |              |             |                      |
| Temp. of deflection under load, 8.00 MPa | <b>190</b>   | °C          | ISO 75-1/-2          |
| Vicat softening temperature, B           | <b>250</b>   | °C          | ISO 306              |

| <b>Electrical properties</b> | <b>Value</b>  | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|---------------|-------------|----------------------|
| <b>ISO Data</b>              |               |             |                      |
| Volume resistivity           | <b>0.1</b>    | Ohm*m       | IEC 62631-3-1        |
| Surface resistivity          | <b>100000</b> | Ohm         | IEC 62631-3-2        |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1250</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>80 - 100</b>  | °C          | -                    |
| Pre-drying - Time                                  | <b>6 - 8</b>     | h           | -                    |
| Melt temperature                                   | <b>260 - 270</b> | °C          | -                    |
| Mold temperature                                   | <b>85</b>        | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe