

**Product Texts**

20% Glass Reinforced

ISO 1043 PET-GF20

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>8500</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>150</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>2.5</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>35</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>9</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>255</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>225</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	<b>245</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	<b>30</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	<b>70</b>	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>0.5</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.25</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1520</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Delivery form**

Pellets

**Other text information**

**Injection molding**

- [Injection Molding Recommendations](#)
- [Steel recommendations for molds screws and barrels](#)
- [Supporting document for Stanyl quality processing](#)