

**Product Texts**

20% Mineral Reinforced

ISO 1043 (PBT+PET)-MD20

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	<b>34</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>270</b>	°C	-
Load	<b>2.16</b>	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>4500</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>55</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>2.2</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>30</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>2</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>225</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>100</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	<b>195</b>	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>0.35</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.15</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1480</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Additives**

Lubricants

**Other text information**

**Injection molding**

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