

**Product Texts**

20% Whisker Reinforced, Wear and Friction Modified

ISO 1043 (PA46+PTFE)-MF20

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>7000 / -</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>110 / -</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>3.5 / -</b>	%	ISO 527
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>4 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>295 / *</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Glass transition temperature, 10°C/min	<b>75 / *</b>	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>250 / *</b>	°C	ISO 75-1/-2

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Humidity absorption	<b>2.9 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1470 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Features**

Tribologic Grade

**Additives**

Lubricants

**Regional Availability**

North America, Asia Pacific

**Other text information**

**Injection molding**

- [Injection Molding Recommendations](#)
- [Hot runner recommendations for molding high heat performance Engineering Materials](#)
- [Steel recommendations for molds screws and barrels](#)
- [Supporting document for Stanyl quality processing](#)
- [Trouble shooting guideline for injection molding](#)