

**Product Texts**

35% Glass Reinforced, Low Outgassing

ISO 1043 PET-GF35

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Density of melt	1350	kg/m <sup>3</sup>	-
<sup>[C]</sup> Thermal conductivity of melt	0.195	W/(m K)	-
<sup>[C]</sup> Spec. heat capacity of melt	1670	J/(kg K)	-
<sup>[C]</sup> Eff. thermal diffusivity	8.67E-8	m <sup>2</sup> /s	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	13000	MPa	ISO 527
<sup>[C]</sup> Stress at break	185	MPa	ISO 527
<sup>[C]</sup> Strain at break	2.5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	60	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	8	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	255	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	225	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	250	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	245	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	3.7	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	3.5	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	30	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	130	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Electric strength	33	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	250	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.45	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.18	%	Sim. to ISO 62
<sup>[C]</sup> Density	1660	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Europe

**Delivery form**

Pellets

**Other text information**

**Injection molding**

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Supporting document for Stanyl quality processing](#)