

**Product Texts**

30% Glass Reinforced, Flame Retardant

ISO 1043 PA6-GF30 FR(17)

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	31 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	250 / *	°C	-
Load	2.16 / *	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	12100 / 8700	MPa	ISO 527
<sup>[C]</sup> Stress at break	160 / 130	MPa	ISO 527
<sup>[C]</sup> Strain at break	1.7 / 2.5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	54 / 64	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	13 / 14	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	213 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	60 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	5 / -	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	4 / -	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	130 / -	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	190 / -	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	6E12 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 6E13	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	23 / -	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	225 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	1.4 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1660 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Delivery form**

Pellets, Black, Natural Color

**Regional Availability**

Asia Pacific

**Additives**

Release agent

**Other text information**

**Injection molding**

[Injection Molding Recommendations](#)

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

[Trouble shooting guideline for injection molding](#)