

**Product Texts**

30% Glass Reinforced, Drinking Water Grade, Food Contact Quality, Flame Retardant

ISO 1043 PPS-GF30

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	11500	MPa	ISO 527
<sup>[C]</sup> Stress at break	175	MPa	ISO 527
<sup>[C]</sup> Strain at break	2.1	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	50	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

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	280	°C	ISO 11357-1/-3
<sup>[C]</sup> Glass transition temperature, 10°C/min	90	°C	ISO 11357-1/-2
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	265	°C	ISO 75-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	50	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 1MHz	3.7	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	30	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	0.05	%	Sim. to ISO 62
<sup>[C]</sup> Density	1550	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Certifications**

Recycled Resin Content, Food contact, Drinking water contact

**Delivery form**

Granules

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Flame retardant

**Other text information**

**Injection molding**

[Injection Molding Recommendations](#)

[Hot runner recommendations for molding high heat performance Engineering Materials](#)

[Recommendations for machining Xytron](#)