Xytron™ G3020T

PPS-GF30 — Envalior

Product Texts

30% Glass Reinforced, Flame Retardant

ISO 1043 PPS-GF30

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

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**11500**	MPa	ISO 527
[C] Stress at break	**175**	MPa	ISO 527
[C] Strain at break	**2.1**	%	ISO 527
[C] Charpy impact strength, +23°C	**50**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**9**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

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

[C]: CAMPUS

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

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Humidity absorption	**0.05**	%	Sim. to ISO 62
[C] Density	**1550**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

Delivery form
Granules

Regional Availability
North America, Europe, Asia Pacific

Other text information

Injection molding

Injection Molding Recommendations
Hot runner recommendations for molding high heat performance Engineering Materials
Recommendations for machining Xytron