

Product Texts

GENESTAR GP2300F is an injection molding grade with 30% GF developed for reflow applications. It is halogen-free and has a V0 flammability rating.

Thanks to its JEDEC MSL 1 rating (moisture sensitive level 1), this grade shows an excellent resistance to blisters.

GENESTAR GP2300F is suitable for all kind of reflow components such as:

- FPC connectors
- Board-to-board connectors
- wire-to-board connectors
- automotive connectors

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.0	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9500	MPa	ISO 527
Tensile Strength	113	MPa	ISO 527
^[C] Stress at break	105	MPa	ISO 527
^[C] Strain at break	1.6	%	ISO 527
Flexural modulus, 23°C	9600	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	8.9	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	306	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	125	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Yellow Card available	yes	-	-
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.12	%	Sim. to ISO 62
^[C] Density	1400	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa