

Product Texts

GENESTAR G1300A-M41 (black, natural) is a standard 30% GF reinforced injection molding grade provided as pellets. Thanks to its JEDEC MSL 1 rating (moisture sensitive level 1), this grade shows an excellent resistance to blisters.

The main features are

- Performance at high temperature
- Excellent blister resistance
- Dimensional stability

This grade is suitable for:

- Automotive connectors
- Parts in the automotive electrical environment

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9100	MPa	ISO 527
^[C] Stress at break	183	MPa	ISO 527
^[C] Strain at break	2.4	%	ISO 527
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	300	°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

[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	0.19	%	Sim. to ISO 62
^[C] Density	1370	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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

Additives

Release agent