

Product Texts

Genestar GR2300 is one of standard grades.

Main feature of GR2300 is::

-Good balance of mechanical strength, mold ability, and dimensional stability

Examples of applications are:

-FPC Connectors

-Board to Board / Wire to Board Connectors

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238
Temperature	320	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	175	MPa	ISO 527
^[C] Stress at break	175	MPa	ISO 527
^[C] Strain at break	2	%	ISO 527
Flexural modulus, 23°C	10800	MPa	ISO 178
Flexural strength	239	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength	180	MPa	ASTM D 638
Flexural Modulus	10000	MPa	ASTM D 790
Flexural Strength	220	MPa	ASTM D 790
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256

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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	285	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
DTUL @ 264 psi	285	°C	ASTM D 648
Melting Temperature	306	°C	ASTM D 3418
Glass Transition Temperature	125	°C	ASTM E 1356

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Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	30	kV/mm	ASTM D 149
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.14	%	Sim. to ISO 62
Density	1570	kg/m ³	ISO 1183
Density	1570	kg/m ³	ASTM D 792

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Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Weldable

Applications

Electrical and Electronical

Regional Availability

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