

Product Texts

Genestar LA121 is a grade for precision parts.

Main feature of LA121 is:

- Good flow-ability at thin wall
- Smooth surface and good abrasion.

Examples of applications are;

- Camera module
- Switch

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.0	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	46	g/10min	ASTM D 1238
Temperature	320	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8300	MPa	ISO 527
Tensile Strength	97	MPa	ISO 527
^[C] Stress at break	97	MPa	ISO 527
^[C] Strain at break	1.4	%	ISO 527
Flexural modulus, 23°C	8600	MPa	ISO 178
Flexural strength	163	MPa	ISO 178
Charpy notched impact strength, +23°C	1.8	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength	103	MPa	ASTM D 638
Flexural Modulus	6600	MPa	ASTM D 790
Flexural Strength	157	MPa	ASTM D 790
Izod Impact notched, 1/8 in	27	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	306	°C	ISO 11357-1/-3
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Burning behav. at thickness h	HB	class	IEC 60695-11-10
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	275	°C	ASTM D 648
DTUL @ 264 psi	240	°C	ASTM D 648
Melting Temperature	306	°C	ASTM D 3418
Glass Transition Temperature	125	°C	ASTM E 1356

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	25	kV/mm	ASTM D 149
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.1	%	Sim. to ISO 62
^[C] Density	1440	kg/m ³	ISO 1183
Density	1440	kg/m ³	ASTM D 792

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Features

Weldable

Applications

Electrical and Electronical

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