

**LUPOY GN2101FC**

PC-GF10

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	68.7	MPa	ASTM D 638
Elongation at Break	9	%	ASTM D 638
Flexural Modulus	3434	MPa	ASTM D 790
Flexural Strength	118	MPa	ASTM D 790
Rockwell Hardness	R 124	-	ASTM D 785
Izod Impact notched, 1/8 in	88.3	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	134	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1250	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	300 - 340	°C	-
Mold temperature	90 - 120	°C	-
Zone 1	270 - 300	°C	-
Zone 2	280 - 310	°C	-
Zone 3	290 - 330	°C	-
Nozzle temperature	290 - 330	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	1 - 4	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free

**Applications**

IT / Business Machine, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America