

**LUPOY GN5201F**

(PC+ABS)-GF20

LG Chem

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>11</b>	g/10min	ASTM D 1238
Temperature	<b>250</b>	°C	-
Load	<b>5</b>	kg	-
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>103</b>	MPa	ASTM D 638
Elongation at Break	<b>5</b>	%	ASTM D 638
Flexural Modulus	<b>5886</b>	MPa	ASTM D 790
Flexural Strength	<b>147</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>104</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Burning behav. 5V at thickness h	<b>5VB</b>	class	IEC 60695-11-20
Thickness tested	<b>2.0</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 264 psi	<b>105</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1360</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>75 - 85</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.04</b>	%	-
Melt temperature	<b>245 - 275</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>230 - 250</b>	°C	-
Zone 2	<b>245 - 265</b>	°C	-
Zone 3	<b>260 - 275</b>	°C	-
Nozzle temperature	<b>260 - 275</b>	°C	-
Screw speed	<b>40 - 70</b>	rpm	-
Back pressure	<b>1 - 2</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical

**Special Characteristics**

Flame retardant, Halogen-free

**Regional Availability**

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