

**LUPOY GN5001SF**

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	23	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	58.9	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2453	MPa	ASTM D 790
Flexural Strength	87.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	283	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	90	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1180	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	60 - 80	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	230 - 260	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	210 - 240	°C	-
Zone 2	215 - 250	°C	-
Zone 3	225 - 260	°C	-
Nozzle temperature	220 - 250	°C	-
Screw speed	40 - 70	rpm	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free

**Applications**

Electrical and Electronical

**Regional Availability**

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