

LUPOY GN5001RFM

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9.5	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	
ASTM Data			
Tensile Strength at Yield	54.9	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Flexural Strength	86.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	471	J/m	ASTM D 256
Thermal properties			
Value	Unit	Test Standard	
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	92	°C	ASTM D 648
Other properties			
Value	Unit	Test Standard	
Density	1180	kg/m ³	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	225 - 255	°C	-
Zone 2	230 - 260	°C	-
Zone 3	230 - 260	°C	-
Nozzle temperature	230 - 250	°C	-
Screw speed	40 - 70	rpm	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Applications

Electrical and Electronical, General Purpose

Regional Availability

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