

LUPOY GN5001RFH

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	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	62.8	MPa	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	2649	MPa	ASTM D 790
Flexural Strength	93.2	MPa	ASTM D 790
Rockwell Hardness	R 113	-	ASTM D 785
Izod Impact notched, 1/8 in	584	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.2	mm	-
DTUL @ 66 psi	103	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	235 - 265	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	220 - 240	°C	-
Zone 2	235 - 255	°C	-
Zone 3	250 - 265	°C	-
Nozzle temperature	250 - 265	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.02 - 0.06	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

Applications

Electrical and Electronical

Regional Availability

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