

LUPOY GN5009F

(PC+ABS)

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	21	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	54.9	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2649	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			
ISO Data			
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	85	°C	ASTM D 648
Other properties			
Density	1180	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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

IT / Business Machine

Regional Availability

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