

LUPOY SG5009F

(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			
ASTM Data			
Tensile Strength at Yield	66.7	MPa	ASTM D 638
Flexural Modulus	2797	MPa	ASTM D 790
Flexural Strength	103	MPa	ASTM D 790
Izod Impact notched, 1/8 in	49	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	90	°C	ASTM D 648
Other properties			
Density	1180	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.04	%	-
Melt temperature	245 - 275	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	230 - 270	°C	-
Zone 2	235 - 275	°C	-
Zone 3	235 - 275	°C	-
Nozzle temperature	235 - 275	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	1 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Features

High Gloss, Scratch Resistant

Applications

IT / Business Machine

Regional Availability

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