

LUPOY GP5106F

(PC+ABS)-GF10

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	65.7	MPa	ASTM D 638
Elongation at Break	7	%	ASTM D 638
Flexural Modulus	3924	MPa	ASTM D 790
Flexural Strength	108	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	66	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.7	mm	-
DTUL @ 264 psi	113	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1250	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

Applications

IT / Business Machine

Regional Availability

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