

LUPOY GP5100

(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	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	88.3	MPa	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	4807	MPa	ASTM D 790
Flexural Strength	137	MPa	ASTM D 790
Izod Impact notched, 1/8 in	94.3	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	121	°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	85 - 95	°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

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

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