

LUPOX GP2056F

PBT-GF5

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0085	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Break	58.9	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	3728	MPa	ASTM D 790
Flexural Strength	98.1	MPa	ASTM D 790
Izod Impact notched, 1/8 in	28.3	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.71	mm	-
DTUL @ 66 psi	190	°C	ASTM D 648
DTUL @ 264 psi	130	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Electrical properties			
ISO Data			
Comparative tracking index	175	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	23	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Other properties			
Density	1470	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	245 - 255	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	235 - 250	°C	-
Zone 2	240 - 250	°C	-
Zone 3	245 - 255	°C	-
Nozzle temperature	245 - 255	°C	-

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine, Electrical and Electronical

Special Characteristics

Flame retardant

Regional Availability

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