

LUMAX GP5306F

(PBT+ABS)-GF30

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	108	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	7848	MPa	ASTM D 790
Flexural Strength	162	MPa	ASTM D 790
Izod Impact notched, 1/8 in	73.6	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	200	°C	ASTM D 648
DTUL @ 264 psi	180	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	175	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	26	kV/mm	ASTM D 149
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	245 - 255	°C	-
Zone 1	225 - 235	°C	-
Zone 2	240 - 250	°C	-
Zone 3	245 - 255	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Applications

Electrical and Electronical

Regional Availability

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