

LUMAX GP5200B

(PBT+ABS)-GF20

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	93.2	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	5690	MPa	ASTM D 790
Flexural Strength	142	MPa	ASTM D 790
Izod Impact notched, 1/8 in	63.8	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	195	°C	ASTM D 648
DTUL @ 264 psi	160	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1350	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	240 - 250	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	225 - 245	°C	-
Zone 2	230 - 250	°C	-
Zone 3	240 - 250	°C	-
Nozzle temperature	240 - 250	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

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

Applications

Electrical and Electronical, General Purpose