

## LG Chemical LUMAX GP5200B PBT+ABS+GF20%

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

### Material Notes:

Description: Injection Molding Grade, PBT+ABS+GF20%, General Purpose  
Application: E&E (Speaker Frame)  
CAS: 9003-56-9, 65997-17-3, 24968-12-5 and 9003-54-7  
Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-LUMAX-GP5200B-PBTABSGF20.php](http://www.lookpolymers.com/polymer_LG-Chemical-LUMAX-GP5200B-PBTABSGF20.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Maximum Moisture Content	0.020	0.020	Injection Molding
Linear Mold Shrinkage, Flow	0.0040 - 0.0090 cm/cm @Thickness 3.20 mm	0.0040 - 0.0090 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	93.2 MPa @Thickness 3.20 mm	13500 psi @Thickness 0.126 in	5mm/min; ASTM D638
Elongation at Break	3.0 % @Thickness 3.20 mm	3.0 % @Thickness 0.126 in	5mm/min; ASTM D638
Flexural Yield Strength	142 MPa @Thickness 3.20 mm	20600 psi @Thickness 0.126 in	1.3mm/min; ASTM D790
Flexural Modulus	5.69 GPa @Thickness 3.20 mm	825 ksi @Thickness 0.126 in	1.3mm/min; ASTM D790
Izod Impact, Notched	0.637 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	1.19 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	225 Å°C	437 Å°F	Peak at Break
Deflection Temperature at 0.46 MPa (66 psi)	195 Å°C @Thickness 6.40 mm	383 Å°F @Thickness 0.252 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	160 Å°C @Thickness 6.40 mm	320 Å°F @Thickness 0.252 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	225 - 235 Â°C	437 - 455 Â°F	Injection Molding
Middle Barrel Temperature	230 - 245 Â°C	446 - 473 Â°F	Injection Molding
Front Barrel Temperature	240 - 250 Â°C	464 - 482 Â°F	Injection Molding
Nozzle Temperature	240 - 250 Â°C	464 - 482 Â°F	Injection Molding
Melt Temperature	240 - 250 Â°C	464 - 482 Â°F	Injection Molding
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	Injection Molding
Drying Temperature	100 Â°C	212 Â°F	Injection Molding
Dry Time	4.00 - 5.00 hour	4.00 - 5.00 hour	Injection Molding

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China