

LUPOX GP2076F

PBT-GF7

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 | 68.7 | MPa | ASTM D 638 |
| Elongation at Break | 3 | % | ASTM D 638 |
| Flexural Modulus | 3728 | MPa | ASTM D 790 |
| Flexural Strength | 108 | 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 | 200 | °C | ASTM D 648 |
| DTUL @ 264 psi | 160 | °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 | 1480 | 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