

LUPOX GP1000H

PBT

LG Chem

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 45 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| Mold Shrinkage, MD | 0.016 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength at Yield | 47.1 | MPa | ASTM D 638 |
| Elongation at Break | 100 | % | ASTM D 638 |
| Flexural Modulus | 1962 | MPa | ASTM D 790 |
| Flexural Strength | 78.5 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 51.8 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.71 | mm | - |
| DTUL @ 66 psi | 154 | °C | ASTM D 648 |
| DTUL @ 264 psi | 54 | °C | ASTM D 648 |
| Melting Temperature | 225 | °C | ASTM D 3418 |
| Electrical properties | | | |
| ISO Data | | | |
| Comparative tracking index | 600 | - | IEC 60112 |
| ASTM Data | | | |
| Dielectric Strength, Short Time | 23 | kV/mm | ASTM D 149 |
| Volume Resistivity | 1E17 | Ohm*cm | ASTM D 257 |
| Other properties | | | |
| Density | 1280 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 100 - 120 | °C | - |
| Pre-drying - Time | 3 - 5 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 240 - 250 | °C | - |
| Mold temperature | 40 - 80 | °C | - |
| Zone 1 | 230 - 235 | °C | - |
| Zone 2 | 235 - 245 | °C | - |
| Zone 3 | 235 - 245 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Applications

Automotive

Regional Availability

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