

LUMID GP3300B(W)

PA66-MF30

LG Chem

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|--------------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.008 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|--------------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Break | 73.6 | MPa | ASTM D 638 |
| Elongation at Break | 5 | % | ASTM D 638 |
| Flexural Modulus | 4905 | MPa | ASTM D 790 |
| Flexural Strength | 128 | MPa | ASTM D 790 |
| Rockwell Hardness | R 115 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 56.6 | J/m | ASTM D 256 |
| Izod Impact notched, 1/4 in | 37.7 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.75 | mm | - |
| Coefficient of Thermal Expansion, MD | 50 | E-6/K | ASTM D 696 |
| DTUL @ 264 psi | 185 | °C | ASTM D 648 |
| Melting Temperature | 260 | °C | ASTM D 3418 |

| Electrical properties | Value | Unit | Test Standard |
|---------------------------------|-------------|--------|---------------|
| ASTM Data | | | |
| Dielectric Strength, Short Time | 20 | kV/mm | ASTM D 149 |
| Volume Resistivity | 1E16 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------------|-------------------|---------------|
| Water Absorption, 24hr | 0.8 | % | ASTM D 570 |
| Density | 1360 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 80 - 100 | °C | - |
| Pre-drying - Time | 4 - 5 | h | - |
| Processing humidity | ≤0.09 | % | - |
| Melt temperature | 270 - 290 | °C | - |
| Mold temperature | 80 - 110 | °C | - |
| Zone 1 | 265 - 275 | °C | - |
| Zone 2 | 270 - 280 | °C | - |
| Zone 3 | 270 - 285 | °C | - |
| Nozzle temperature | 270 - 295 | °C | - |
| Screw speed | 30 - 60 | rpm | - |
| Back pressure | 30 - 60 | MPa | - |

Characteristics**Processing**

Injection Molding

Applications

Automotive, General Purpose

Regional Availability

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