

LUCON CP5101F

(PC+ABS)-Z

LG Chem

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 30 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 10 | kg | - |
| Mold Shrinkage, MD | 0.005 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength at Yield | 56.9 | MPa | ASTM D 638 |
| Elongation at Break | 7 | % | ASTM D 638 |
| Flexural Modulus | 2845 | MPa | ASTM D 790 |
| Flexural Strength | 98.1 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 18.9 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 88 | °C | ASTM D 648 |
| Electrical properties | | | |
| ISO Data | | | |
| Surface resistivity | 1E7 | Ohm | IEC 62631-3-2 |
| Other properties | | | |
| Density | 1210 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 70 - 80 | °C | - |
| Pre-drying - Time | 5 - 7 | h | - |
| Melt temperature | 270 - 310 | °C | - |
| Mold temperature | 60 - 80 | °C | - |
| Zone 1 | 260 - 300 | °C | - |
| Zone 2 | 270 - 310 | °C | - |
| Zone 3 | 270 - 310 | °C | - |
| Nozzle temperature | 270 - 310 | °C | - |
| Screw speed | 40 - 80 | rpm | - |
| Back pressure | 0 - 2 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

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

Applications

IT / Business Machine