

Product Texts

LEXAN LC108 compound is based on Polycarbonate (PC) resin containing 8% carbon fiber. Added features of this grade include: Electrically Conductive, Flame Retardant.

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Flexural Modulus | 5980 | MPa | ASTM D 790 |
| Flexural Strength | 160 | MPa | ASTM D 790 |
| Rockwell Hardness | M 88 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 88 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 142 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| ASTM Data | | | |
| Surface Resistivity | 1E12 | Ohm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1220 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 290 - 320 | °C | - |
| Mold temperature | 100 - 125 | °C | - |
| Zone 1 | 270 - 300 | °C | - |
| Zone 2 | 280 - 310 | °C | - |
| Zone 3 | 290 - 320 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity, Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific