

ESD 383

PC-CF20

RTP Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.00125 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Modulus | 13100 | MPa | ASTM D 638 |
| Tensile Strength | 138 | MPa | ASTM D 638 |
| Elongation at Break | 3 | % | ASTM D 638 |
| Flexural Modulus | 11030 | MPa | ASTM D 790 |
| Flexural Strength | 207 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 107 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.59 | mm | - |
| Electrical properties | | | |
| ASTM Data | | | |
| Surface Resistivity | 100000 | Ohm | ASTM D 257 |
| Volume Resistivity | 10000 | Ohm*cm | ASTM D 257 |
| Other properties | | | |
| Density | 1280 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.02 | % | - |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 121 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 288 - 316 | °C | - |
| Mold temperature | 82.2 - 121 | °C | - |
| Injection pressure | 68.9 - 103 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity