

ESD A 2180

PEI-CF

RTP Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|---------------|-------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0025 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 8274 | MPa | ASTM D 638 |
| Tensile Strength | 145 | MPa | ASTM D 638 |
| Flexural Modulus | 6895 | MPa | ASTM D 790 |
| Flexural Strength | 207 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 53.4 | J/m | ASTM D 256 |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|---------------|-------------|----------------------|
| ASTM Data | | | |
| Surface Resistivity | 9.9E11 | Ohm | ASTM D 257 |
| Volume Resistivity | 9.9E9 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1310 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.04 | % | - |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| Pre-drying - Temperature | 149 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 354 - 399 | °C | - |
| Mold temperature | 135 - 177 | °C | - |
| Injection pressure | 82.7 - 124 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Anti-static