

RTP 382 HEC

PC-(CF+MED(Ni))15

RTP Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|---------------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0015 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 7584 | MPa | ASTM D 638 |
| Tensile Strength | 103 | MPa | ASTM D 638 |
| Flexural Modulus | 6895 | MPa | ASTM D 790 |
| Flexural Strength | 155 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 69.4 | J/m | ASTM D 256 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|--------------|--------|---------------|
| ASTM Data | | | |
| Surface Resistivity | 10000 | Ohm | ASTM D 257 |
| Volume Resistivity | 10 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1300 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.02 | % | - |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-------------------|------|---------------|
| 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