

**RTP 387 HEC**

PC-(CF+MED(Ni))40

RTP Company

| Processing/Physical Characteristics | Value | Unit  | Test Standard |
|-------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                    |       |       |               |
| Mold Shrinkage, MD                  | 0.001 | mm/mm | ASTM D 955    |

| Mechanical properties       | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| <b>ASTM Data</b>            |       |      |               |
| Tensile Modulus             | 22060 | MPa  | ASTM D 638    |
| Tensile Strength            | 172   | MPa  | ASTM D 638    |
| Flexural Modulus            | 19310 | MPa  | ASTM D 790    |
| Flexural Strength           | 214   | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in | 96.1  | J/m  | ASTM D 256    |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| UL 94 Flame rating | HB    | -    | UL 94         |
| Thickness tested   | 1.59  | mm   | -             |
| DTUL @ 264 psi     | 149   | °C   | ASTM D 648    |

| Electrical properties | Value | Unit   | Test Standard |
|-----------------------|-------|--------|---------------|
| <b>ASTM Data</b>      |       |        |               |
| Surface Resistivity   | 10000 | Ohm    | ASTM D 257    |
| Volume Resistivity    | 1     | Ohm*cm | ASTM D 257    |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1460  | kg/m <sup>3</sup> | 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

**Special Characteristics**

Increased electrical conductivity

**Features**

EMI Attenuation/Shielding

**Regional Availability**

North America, Europe, Asia Pacific