

**RTP 2385 A HEC UV**

TPU-(CF+MED(Ni))30

RTP Company

| Processing/Physical Characteristics | Value   | Unit  | Test Standard |
|-------------------------------------|---------|-------|---------------|
| <b>ASTM Data</b>                    |         |       |               |
| Mold Shrinkage, MD                  | 0.00055 | mm/mm | ASTM D 955    |

| Mechanical properties       | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| <b>ASTM Data</b>            |       |      |               |
| Tensile Modulus             | 15860 | MPa  | ASTM D 638    |
| Tensile Strength            | 155   | MPa  | ASTM D 638    |
| Flexural Modulus            | 14480 | MPa  | ASTM D 790    |
| Flexural Strength           | 224   | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in | 133   | J/m  | ASTM D 256    |

| 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          | 1330  | kg/m <sup>3</sup> | ASTM D 792    |
| Moisture Content | 0.01  | %                 | -             |

| Processing Recommendation Injection Molding | Value       | Unit | Test Standard |
|---|-------------|------|---------------|
| Pre-drying - Temperature                    | 107         | °C   | -             |
| Pre-drying - Time                           | 4 - 6       | h    | -             |
| Melt temperature                            | 221 - 243   | °C   | -             |
| Mold temperature                            | 51.7 - 93.3 | °C   | -             |
| Injection pressure                          | 68.9 - 103  | MPa  | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity, U.V. stabilized or stable to weather