

RTP 209 TFE 5

(PA66+PTFE)-GF50

RTP Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.002 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 15510 | MPa | ASTM D 638 |
| Tensile Strength | 193 | MPa | ASTM D 638 |
| Flexural Modulus | 14820 | MPa | ASTM D 790 |
| Flexural Strength | 310 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 144 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.59 | mm | - |
| DTUL @ 264 psi | 249 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1630 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.2 | % | - |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------|------|---------------|
| Pre-drying - Temperature | 79.4 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 277 - 299 | °C | - |
| Mold temperature | 65.6 - 107 | °C | - |
| Injection pressure | 68.9 - 124 | MPa | - |

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific