

RTP 1307 P-1

PPS-GF40

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 | 15860 | MPa | ASTM D 638 |
| Tensile Strength | 169 | MPa | ASTM D 638 |
| Flexural Modulus | 15170 | MPa | ASTM D 790 |
| Flexural Strength | 228 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 90.7 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.59 | mm | - |
| DTUL @ 264 psi | 266 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1680 | 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 | 6 | h | - |
| Melt temperature | 307 - 329 | °C | - |
| Mold temperature | 135 - 177 | °C | - |
| Injection pressure | 68.9 - 103 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific