

**RTP 1301 D**

PPS-GF10

RTP Company

| Processing/Physical Characteristics | Value        | Unit  | Test Standard |
|-------------------------------------|--------------|-------|---------------|
| <b>ASTM Data</b>                    |              |       |               |
| Mold Shrinkage, MD                  | <b>0.004</b> | mm/mm | ASTM D 955    |

| Mechanical properties       | Value       | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| <b>ASTM Data</b>            |             |      |               |
| Tensile Modulus             | <b>6205</b> | MPa  | ASTM D 638    |
| Tensile Strength            | <b>89.6</b> | MPa  | ASTM D 638    |
| Flexural Modulus            | <b>6205</b> | MPa  | ASTM D 790    |
| Flexural Strength           | <b>145</b>  | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in | <b>58.7</b> | J/m  | ASTM D 256    |

| Thermal properties | Value       | Unit | Test Standard |
|--------------------|-------------|------|---------------|
| <b>ASTM Data</b>   |             |      |               |
| UL 94 Flame rating | <b>V-0</b>  | -    | UL 94         |
| Thickness tested   | <b>1.59</b> | mm   | -             |
| DTUL @ 264 psi     | <b>260</b>  | °C   | ASTM D 648    |

| Other properties | Value       | Unit              | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density          | <b>1420</b> | kg/m <sup>3</sup> | ASTM D 792    |
| Moisture Content | <b>0.04</b> | %                 | -             |

| Processing Recommendation Injection Molding | Value             | Unit | Test Standard |
|---|-------------------|------|---------------|
| Pre-drying - Temperature                    | <b>149</b>        | °C   | -             |
| Pre-drying - Time                           | <b>6</b>          | h    | -             |
| Melt temperature                            | <b>307 - 329</b>  | °C   | -             |
| Mold temperature                            | <b>135 - 177</b>  | °C   | -             |
| Injection pressure                          | <b>68.9 - 103</b> | MPa  | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific