

**RTP 601 FR**

ABS-GF10

RTP Company

| Processing/Physical Characteristics | Value | Unit  | Test Standard |
|-------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                    |       |       |               |
| Mold Shrinkage, MD                  | 0.003 | mm/mm | ASTM D 955    |

| Mechanical properties       | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| <b>ASTM Data</b>            |       |      |               |
| Tensile Modulus             | 4826  | MPa  | ASTM D 638    |
| Tensile Strength            | 62.1  | MPa  | ASTM D 638    |
| Flexural Modulus            | 4482  | MPa  | ASTM D 790    |
| Flexural Strength           | 93.1  | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in | 58.7  | J/m  | ASTM D 256    |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| UL 94 Flame rating | V-0   | -    | UL 94         |
| Thickness tested   | 1.59  | mm   | -             |
| DTUL @ 66 psi      | 104   | °C   | ASTM D 648    |
| DTUL @ 264 psi     | 102   | °C   | ASTM D 648    |

| Electrical properties           | Value | Unit  | Test Standard |
|---------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                |       |       |               |
| Dielectric Strength, Short Time | 15.7  | kV/mm | ASTM D 149    |
| Dissipation Factor, 1 MHz       | 0.01  | -     | ASTM D 150    |
| Dielectric Constant, 1 MHz      | 3.3   | -     | ASTM D 150    |

| Other properties       | Value | Unit              | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.2   | %                 | ASTM D 570    |
| Density                | 1320  | kg/m <sup>3</sup> | ASTM D 792    |
| Moisture Content       | 0.1   | %                 | -             |

| Processing Recommendation Injection Molding | Value      | Unit | Test Standard |
|---|------------|------|---------------|
| Pre-drying - Temperature                    | 82.2       | °C   | -             |
| Pre-drying - Time                           | 2          | h    | -             |
| Melt temperature                            | 204 - 238  | °C   | -             |
| Mold temperature                            | 62.8 - 85  | °C   | -             |
| Injection pressure                          | 68.9 - 103 | MPa  | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Flame retardant