

**RTP 800 TFE 15 SI 2**

(POM+PTFE+SI)

RTP Company

| Processing/Physical Characteristics | Value | Unit  | Test Standard |
|-------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                    |       |       |               |
| Mold Shrinkage, MD                  | 0.02  | mm/mm | ASTM D 955    |

| Mechanical properties       | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| <b>ASTM Data</b>            |       |      |               |
| Tensile Modulus             | 2068  | MPa  | ASTM D 638    |
| Tensile Strength            | 40    | MPa  | ASTM D 638    |
| Flexural Modulus            | 1999  | MPa  | ASTM D 790    |
| Flexural Strength           | 62.1  | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in | 48    | J/m  | ASTM D 256    |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| UL 94 Flame rating | HB    | -    | UL 94         |
| Thickness tested   | 1.59  | mm   | -             |
| DTUL @ 264 psi     | 110   | °C   | ASTM D 648    |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1470  | kg/m <sup>3</sup> | ASTM D 792    |
| Moisture Content | 0.15  | %                 | -             |

| Processing Recommendation Injection Molding | Value      | Unit | Test Standard |
|---------------------------------------------|------------|------|---------------|
| Pre-drying - Temperature                    | 121        | °C   | -             |
| Pre-drying - Time                           | 2          | h    | -             |
| Melt temperature                            | 182 - 218  | °C   | -             |
| Mold temperature                            | 79.4 - 107 | °C   | -             |
| Injection pressure                          | 68.9 - 103 | MPa  | -             |

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Regional Availability**

North America, Europe, Asia Pacific