

RTP 1400

PESU

RTP Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 80 | g/10min | ASTM D 1238 |
| Temperature | 385 | °C | - |
| Load | 2.16 | kg | - |
| Mold Shrinkage, MD | 0.007 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Modulus | 2689 | MPa | ASTM D 638 |
| Tensile Strength | 82.7 | MPa | ASTM D 638 |
| Flexural Modulus | 2896 | MPa | ASTM D 790 |
| Flexural Strength | 111 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 69.4 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.59 | mm | - |
| DTUL @ 264 psi | 203 | °C | ASTM D 648 |
| Electrical properties | | | |
| ASTM Data | | | |
| Dielectric Strength, Short Time | 15 | kV/mm | ASTM D 149 |
| Dissipation Factor, 1 MHz | 0.0056 | - | ASTM D 150 |
| Dielectric Constant, 1 MHz | 3.5 | - | ASTM D 150 |
| Other properties | | | |
| Water Absorption, 24hr | 0.54 | % | ASTM D 570 |
| Density | 1370 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.04 | % | - |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 149 | °C | - |
| Pre-drying - Time | 6 | h | - |
| Melt temperature | 343 - 377 | °C | - |
| Mold temperature | 135 - 177 | °C | - |
| Injection pressure | 68.9 - 103 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific