

RTP 1800 A FR UV
(PC+PMMA)

RTP Company

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.007 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 2275 | MPa | ASTM D 638 |
| Tensile Strength | 51.7 | MPa | ASTM D 638 |
| Flexural Modulus | 2275 | MPa | ASTM D 790 |
| Flexural Strength | 82.7 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 1070 | 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 @ 66 psi | 110 | °C | ASTM D 648 |
| DTUL @ 264 psi | 98.9 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Water Absorption, 24hr | 0.22 | % | ASTM D 570 |
| Density | 1250 | kg/m ³ | ASTM D 792 |
| Moisture Content | 0.02 | % | - |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------------|-------------|----------------------|
| Pre-drying - Temperature | 82.2 | °C | - |
| Pre-drying - Time | 3 - 6 | h | - |
| Melt temperature | 238 - 266 | °C | - |
| Mold temperature | 32.2 - 65.6 | °C | - |
| Injection pressure | 55.2 - 82.7 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather