

# RTP 150 UV

Polypropylene  
RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'  
The data for this material has not been recently verified.  
Please contact RTP Company for current information prior to specifying this grade.

| General Information                                        |                      |                   |             |
|------------------------------------------------------------|----------------------|-------------------|-------------|
| Features                                                   | Flame retardancy     |                   |             |
| RoHS Compliance                                            | Contact manufacturer |                   |             |
| Forms                                                      | Particle             |                   |             |
| Physical                                                   | Nominal Value        | Unit              | Test Method |
| Specific Gravity                                           | 1.25                 | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm)                         | 1.2                  | %                 | ASTM D955   |
| Water Absorption (23°C, 24 hr)                             | 0.030                | %                 | ASTM D570   |
| Mechanical                                                 | Nominal Value        | Unit              | Test Method |
| Tensile Modulus                                            | 1720                 | MPa               | ASTM D638   |
| Tensile Strength                                           | 23.0                 | MPa               | ASTM D638   |
| Tensile Elongation (Break)                                 | 40                   | %                 | ASTM D638   |
| Flexural Modulus                                           | 1450                 | MPa               | ASTM D790   |
| Flexural Strength                                          | 34.0                 | MPa               | ASTM D790   |
| Impact                                                     | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact (3.18 mm)                              | 32                   | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.18 mm)                            | 530                  | J/m               | ASTM D4812  |
| Thermal                                                    | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load                          |                      |                   | ASTM D648   |
| 0.45 MPa, not annealed                                     | 113                  | °C                | ASTM D648   |
| 1.8 MPa, not annealed                                      | 66.0                 | °C                | ASTM D648   |
| Thermal Conductivity                                       | 0.30                 | W/m/K             | ASTM C177   |
| Electrical                                                 | Nominal Value        | Unit              | Test Method |
| Volume Resistivity                                         | 1.0E+16              | ohms · cm         | ASTM D257   |
| Flammability                                               | Nominal Value        | Unit              | Test Method |
| Flame Rating (1.59 mm, Values per RTP Company testing.)    | V-0                  |                   | UL 94       |
| Additional Information                                     |                      |                   |             |
| Molding Shrinkage, Linear-Flow, ASTM D955, 6.35mm: 16mm/m. |                      |                   |             |
| Injection                                                  | Nominal Value        | Unit              |             |
| Rear Temperature                                           | 218 - 249            | °C                |             |
| Middle Temperature                                         | 212 - 249            | °C                |             |
| Front Temperature                                          | 218 - 249            | °C                |             |

|                    |             |     |
|--------------------|-------------|-----|
| Mold Temperature   | 32.0 - 66.0 | °C  |
| Injection Pressure | 68.9 - 103  | MPa |

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#### Recommended distributors for this material

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