

# RTP 207 HS L

Polyamide 66

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.  
Glass Fiber - Heat Stabilized - Lubricated

| General Information  |   |                   |             |
|--|---|-------------------|-------------|
| Filler / Reinforcement   | Glass fiber reinforced material, 40% filler by weight |                   |             |
| Additive   | heat stabilizer<br>Lubricant                          |                   |             |
| Features   | Thermal Stability<br>Lubrication                      |                   |             |
| RoHS Compliance  | Contact manufacturer                                  |                   |             |
| Processing Method  | Injection molding                                     |                   |             |
| Physical   | Nominal Value   | Unit              | Test Method |
| Specific Gravity   | 1.46  | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm)                                   | 0.10 - 0.40   | %                 | ASTM D955   |
| Moisture Content   | 0.20  | %                 |             |
| Mechanical   | Nominal Value   | Unit              | Test Method |
| Tensile Modulus  | 13100   | MPa               | ASTM D638   |
| Tensile Strength   | 186   | MPa               | ASTM D638   |
| Tensile Elongation (Yield)   | 2.5 - 3.5   | %                 | ASTM D638   |
| Flexural Modulus   | 11700   | MPa               | ASTM D790   |
| Flexural Strength  | 296   | MPa               | ASTM D790   |
| Impact   | Nominal Value   | Unit              | Test Method |
| Notched Izod Impact (3.18 mm)  | 120   | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.18 mm)                                      | 1100  | J/m               | ASTM D4812  |
| Thermal  | Nominal Value   | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)              | 249   | °C                | ASTM D648   |
| Flammability   | Nominal Value   |                   | Test Method |
| Flame Rating <sup>1</sup> (1.50 mm, Values per RTP Company testing.) | HB  |                   | UL 94       |
| Injection  | Nominal Value   | Unit              |             |
| Drying Temperature - Desiccant Dryer                                 | 79.4  | °C                |             |
| Drying Time - Desiccant Dryer  | 4.0   | hr                |             |
| Dew Point - Desiccant Dryer  | -17.8   | °C                |             |

|                        |            |     |
|------------------------|------------|-----|
| Processing (Melt) Temp | 277 - 299  | °C  |
| Mold Temperature       | 65.6 - 107 | °C  |
| Injection Pressure     | 68.9 - 124 | MPa |

#### Injection instructions

Desiccant Type Dryer Required.

#### NOTE

1. This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

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#### Recommended distributors for this material

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