

# RTP 707

High Density Polyethylene

RTP Company

**PROSPECTOR**<sup>®</sup>

www.ulprospector.com

## Technical Data

### Product Description

Glass Fiber

### General

Material Status • Commercial: Active

Search for UL Yellow Card • RTP Company  
• RTP

Availability • Africa & Middle East • Europe • North America  
• Asia Pacific • Latin America

Filler / Reinforcement • Glass Fiber, 40% Filler by Weight

RoHS Compliance • Contact Manufacturer

Processing Method • Injection Molding

### Physical

|                                    | Nominal Value Unit     | Test Method |
|------------------------------------|------------------------|-------------|
| Density / Specific Gravity         | 1.26 g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm) | 0.10 to 0.30 %         | ASTM D955   |

### Mechanical

|                            | Nominal Value Unit | Test Method |
|----------------------------|--------------------|-------------|
| Tensile Modulus            | 8270 MPa           | ASTM D638   |
| Tensile Strength           | 59.3 MPa           | ASTM D638   |
| Tensile Elongation (Yield) | 3.0 to 5.0 %       | ASTM D638   |
| Flexural Modulus           | 5520 MPa           | ASTM D790   |
| Flexural Strength          | 82.7 MPa           | ASTM D790   |

### Impact

|                                 | Nominal Value Unit | Test Method |
|---------------------------------|--------------------|-------------|
| Notched Izod Impact (3.20 mm)   | 110 J/m            | ASTM D256   |
| Unnotched Izod Impact (3.20 mm) | 430 J/m            | ASTM D4812  |

### Flammability

|  | Nominal Value Unit | Test Method |
|--|--------------------|-------------|
| Flame Rating<br>1.5 mm, ** Values per RTP Company testing. | HB                 | UL 94       |

### Additional Information

|                  | Nominal Value Unit |
|------------------|--------------------|
| Primary Additive | 40 %               |

### Injection

|                        | Nominal Value Unit |
|------------------------|--------------------|
| Drying Temperature     | 79 °C              |
| Drying Time            | 2.0 hr             |
| Processing (Melt) Temp | 193 to 232 °C      |
| Mold Temperature       | 21 to 66 °C        |
| Injection Pressure     | 68.9 to 103 MPa    |

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.



## RTP 707

High Density Polyethylene

**RTP Company**

# PROSPECTOR®

[www.ulprospector.com](http://www.ulprospector.com)

---

### Where to Buy

---

#### Supplier

##### **RTP Company**

Winona, MN USA

**Telephone:** 800-433-4787

**Web:** <http://www.rtpcompany.com/>

---

#### Distributor

Please contact the supplier to find a distributor for RTP 707

