

# RTP 128 LF

Polypropylene Homopolymer

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.  
-Preliminary Product Data per RTP Co.-

| General Information                |                                   |                   |             |
|------------------------------------|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement             | Talc filler, 20% filler by weight |                   |             |
| Features                           | Low liquidity                     |                   |             |
| RoHS Compliance                    | Contact manufacturer              |                   |             |
| Appearance                         | Black                             |                   |             |
|                                    | Natural color                     |                   |             |
| Forms                              | Particle                          |                   |             |
| Processing Method                  | Injection molding                 |                   |             |
| Physical                           | Nominal Value                     | Unit              | Test Method |
| Specific Gravity                   | 1.05                              | 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   |
| Hardness                           | Nominal Value                     | Unit              | Test Method |
| Rockwell Hardness (R-Scale)        | 90                                |                   | ASTM D785   |
| Mechanical                         | Nominal Value                     | Unit              | Test Method |
| Tensile Modulus                    | 3100                              | MPa               | ASTM D638   |
| Tensile Strength                   | 31.0                              | MPa               | ASTM D638   |
| Tensile Elongation (Break)         | 10                                | %                 | ASTM D638   |
| Flexural Modulus                   | 2480                              | MPa               | ASTM D790   |
| Flexural Strength                  | 48.3                              | MPa               | ASTM D790   |
| Impact                             | Nominal Value                     | Unit              | Test Method |
| Notched Izod Impact (3.18 mm)      | 27                                | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.18 mm)    | 690                               | J/m               | ASTM D4812  |
| Thermal                            | Nominal Value                     | Unit              | Test Method |
| Deflection Temperature Under Load  |                                   |                   | ASTM D648   |
| 0.45 MPa, not annealed             | 121                               | °C                | ASTM D648   |
| 1.8 MPa, not annealed              | 71.1                              | °C                | ASTM D648   |
| 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.) |               |       |
|---------------------------------------------------------|---------------|-------|
|                                                         | HB            | UL 94 |
| Additional Information                                  |               |       |
| Mold Shrinkage, ASTM D-955, 0.25in.: 20mil/in.          |               |       |
| Injection                                               | Nominal Value | Unit  |
| Drying Temperature                                      | 82.2          | °C    |
| Drying Time                                             | 2.0           | hr    |
| Suggested Max Regrind                                   | 20            | %     |
| Rear Temperature                                        | 218 - 274     | °C    |
| Middle Temperature                                      | 218 - 274     | °C    |
| Front Temperature                                       | 218 - 274     | °C    |
| Mold Temperature                                        | 32.2 - 65.6   | °C    |
| Injection Pressure                                      | 68.9 - 138    | MPa   |

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Recommended distributors for this material

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