

# RTP 100 TFE 20 Z

Polypropylene  
RTP Company

Message:  
PTFE Lubricated - FDA Compliant Ingredients

| General Information                                        |                      |                   |             |
|------------------------------------------------------------|----------------------|-------------------|-------------|
| Additive                                                   | PTFE Lubricant (20%) |                   |             |
| Features                                                   | Lubricated           |                   |             |
| RoHS Compliance                                            | Contact Manufacturer |                   |             |
| Processing Method                                          | Injection Molding    |                   |             |
| Physical                                                   | Nominal Value        | Unit              | Test Method |
| Specific Gravity                                           | 1.02                 | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm)                         | 1.8 to 2.5           | %                 | ASTM D955   |
| Mechanical                                                 | Nominal Value        | Unit              | Test Method |
| Tensile Modulus                                            | 1520                 | MPa               | ASTM D638   |
| Tensile Strength                                           | 27.6                 | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                                 | > 10                 | %                 | ASTM D638   |
| Flexural Modulus                                           | 1520                 | MPa               | ASTM D790   |
| Flexural Strength                                          | 41.4                 | MPa               | ASTM D790   |
| Impact                                                     | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact (3.20 mm)                              | 37                   | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)                            | 480                  | J/m               | ASTM D4812  |
| Thermal                                                    | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)    | 51.7                 | °C                | ASTM D648   |
| Flammability                                               | Nominal Value        |                   | Test Method |
| Flame Rating (1.50 mm, ** Values per RTP Company testing.) | HB                   |                   | UL 94       |
| Additional Information                                     | Nominal Value        | Unit              |             |
| Primary Additive                                           | 20                   | %                 |             |
| Injection                                                  | Nominal Value        | Unit              |             |
| Drying Temperature                                         | 79.4                 | °C                |             |
| Drying Time                                                | 2.0                  | hr                |             |
| Processing (Melt) Temp                                     | 191 to 232           | °C                |             |
| Mold Temperature                                           | 32.2 to 65.6         | °C                |             |
| Injection Pressure                                         | 68.9 to 103          | MPa               |             |

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