

# RTP 300 TFE 10

Polycarbonate  
RTP Company

Message:  
PTFE Lubricated

| General Information                                        |                      |                   |             |
|------------------------------------------------------------|----------------------|-------------------|-------------|
| Additive                                                   | PTFE lubricant (10%) |                   |             |
| Features                                                   | Lubrication          |                   |             |
| RoHS Compliance                                            | Contact manufacturer |                   |             |
| Processing Method                                          | Injection molding    |                   |             |
| Physical                                                   | Nominal Value        | Unit              | Test Method |
| Specific Gravity                                           | 1.25                 | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.20 mm)                         | 0.50 - 1.0           | %                 | ASTM D955   |
| Moisture Content                                           | 0.020                | %                 |             |
| Mechanical                                                 | Nominal Value        | Unit              | Test Method |
| Tensile Modulus                                            | 2410                 | MPa               | ASTM D638   |
| Tensile Strength                                           | 55.2                 | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                                 | > 10                 | %                 | ASTM D638   |
| Flexural Modulus                                           | 2280                 | MPa               | ASTM D790   |
| Flexural Strength                                          | 79.3                 | MPa               | ASTM D790   |
| Impact                                                     | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact (3.20 mm)                              | 190                  | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.20 mm)                            | 1900                 | J/m               | ASTM D4812  |
| Thermal                                                    | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)    | 129                  | °C                | ASTM D648   |
| Electrical                                                 | Nominal Value        | Unit              | Test Method |
| Volume Resistivity                                         | 1.0E+14 - 1.0E+16    | ohms · cm         | ASTM D257   |
| Flammability                                               | Nominal Value        | Unit              | Test Method |
| Flame Rating (1.50 mm, ** Values per RTP Company testing.) | HB                   |                   | UL 94       |
| Injection                                                  | Nominal Value        | Unit              |             |
| Drying Temperature                                         | 121                  | °C                |             |
| Drying Time                                                | 4.0                  | hr                |             |
| Dew Point                                                  | -28.9                | °C                |             |
| Processing (Melt) Temp                                     | 288 - 327            | °C                |             |
| Mold Temperature                                           | 82.2 - 121           | °C                |             |
| Injection Pressure                                         | 68.9 - 103           | MPa               |             |
| Injection instructions                                     |                      |                   |             |

Desiccant Type Dryer Required.

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