

## RTP Company RTP 4700 TFE 20 Polytrimethylene Terephthalate (PTT) PTFE 20% (discontinued \*\*

Category : Polymer , Thermoplastic , Polyester, TP , Polytrimethylene Terephthalate (PTT)

### Material Notes:

PTFE 20%Comments:PTFE LubricatedUnless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.Information provided by RTP Company.Data for this product has not been recently verified, please contact RTP Company for more information before specifying this grade.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_RTP-Company-RTP-4700-TFE-20-nbspPolytrimethylene-Terephthalate-PTTnbspPTFE-20-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_RTP-Company-RTP-4700-TFE-20-nbspPolytrimethylene-Terephthalate-PTTnbspPTFE-20-nbspdiscontinued-.php)

| Physical Properties   | Metric                            | English                            | Comments  |
|-----------------------|-----------------------------------|------------------------------------|-----------|
| Specific Gravity      | 1.42 g/cc                         | 1.42 g/cc                          | ASTM D792 |
| Linear Mold Shrinkage | 0.013 cm/cm<br>@Thickness 3.17 mm | 0.013 in/in<br>@Thickness 0.125 in | ASTM D955 |

| Mechanical Properties      | Metric                           | English                               | Comments  |
|----------------------------|----------------------------------|---------------------------------------|-----------|
| Tensile Strength, Ultimate | 44.8 MPa                         | 6500 psi                              | ASTM D638 |
| Elongation at Break        | 2.5 %                            | 2.5 %                                 | ASTM D638 |
| Modulus of Elasticity      | 2.76 GPa                         | 400 ksi                               | ASTM D638 |
| Flexural Yield Strength    | 82.7 MPa                         | 12000 psi                             | ASTM D790 |
| Flexural Modulus           | 2.76 GPa                         | 400 ksi                               | ASTM D790 |
| Izod Impact, Notched       | 0.267 J/cm<br>@Thickness 3.17 mm | 0.500 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |
| Izod Impact, Unnotched     | 3.36 J/cm<br>@Thickness 3.17 mm  | 6.30 ft-lb/in<br>@Thickness 0.125 in  | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments  |
|---|---------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 60.0 °C | 140 °F  | ASTM D648 |

| Processing Properties  | Metric        | English      | Comments |
|------------------------|---------------|--------------|----------|
| Processing Temperature | 232 - 252 °C  | 450 - 485 °F |          |
| Mold Temperature       | 87.8 - 121 °C | 190 - 250 °F |          |

| Injection Pressure<br>Processing Properties | 68.9 - 103 MPa<br>Metric | 10000 - 15000 psi<br>English | Comments |
|---|--------------------------|------------------------------|----------|
|---|--------------------------|------------------------------|----------|

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

|       |         |  |
|-------|---------|--|
| Color | Natural |  |
|-------|---------|--|

## Contact Songhan Plastic Technology Co.,Ltd.

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