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Poncioplastics.com



**Product Data Sheet &  
General Processing Conditions**

**RTP 1300 C TFE 15  
Polyphenylene Sulfide (PPS)  
PTFE Lubricated**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

| PERMANENCE                                   | English      | SI Metric | ASTM<br>TEST |
|----------------------------------------------|--------------|-----------|--------------|
| Primary Additive                             | 15 %         | 15 %      |              |
| Specific Gravity                             | 1.44         | 1.44      | D 792        |
| Molding Shrinkage<br>1/8 in (3.2 mm) section | 0.0130 in/in | 1.30 %    | D 955        |

**MECHANICAL**

|                                                          |                            |             |        |
|----------------------------------------------------------|----------------------------|-------------|--------|
| Impact Strength, Izod<br>notched 1/8 in (3.2 mm) section | 0.8 ft-lbs/in              | 43 J/m      | D 256  |
| unnotched 1/8 in (3.2 mm) section                        | 5.0 ft-lbs/in              | 267 J/m     | D 4812 |
| Tensile Strength                                         | 9000 psi                   | 62 MPa      | D 638  |
| Tensile Elongation                                       | 3.0 - 5.0 %                | 3.0 - 5.0 % | D 638  |
| Tensile Modulus                                          | 0.47 x 10 <sup>6</sup> psi | 3241 MPa    | D 638  |
| Flexural Strength                                        | 17000 psi                  | 117 MPa     | D 790  |
| Flexural Modulus                                         | 0.45 x 10 <sup>6</sup> psi | 3103 MPa    | D 790  |

**THERMAL**

|                                                |               |              |        |
|------------------------------------------------|---------------|--------------|--------|
| Deflection Temperature<br>@ 264 psi (1820 kPa) | 270 °F        | 132 °C       | D 648  |
| Ignition Resistance*<br>Flammability**         | V-0 @ 1/16 in | V-0 @ 1.5 mm | D 3801 |

**PROPERTY NOTES**

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

\* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

\*\* Values per RTP Company testing.

**GENERAL PROCESSING FOR INJECTION MOLDING**

|                    | English           | SI Metric      |
|--------------------|-------------------|----------------|
| Injection Pressure | 10000 - 15000 psi | 69 - 103 MPa   |
| Melt Temperature   | 575 - 650 °F      | 302 - 343 °C   |
| Mold Temperature   | 275 - 350 °F      | 135 - 177 °C   |
| Drying             | 4 hrs @ 250 °F    | 4 hrs @ 121 °C |