



**Product Data Sheet &
General Processing Conditions**

**RTP 1500-82D TFE 15
Polyether-Ester Block Copolymer
(TEEE/COPE)
PTFE Lubricated
Preliminary Data**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.36	1.36	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0200 in/in	1.50 - 2.00 %	D 955

MECHANICAL

Tensile Strength	4750 psi	33 MPa	D 638
Tensile Elongation	> 300.0 %	> 300.0 %	D 638
Tensile Modulus	0.13 x 10 ⁶ psi	896 MPa	D 638
Flexural Modulus	0.13 x 10 ⁶ psi	896 MPa	D 790
Hardness Shore D, instantaneous	82	82	D 2240

THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	220 °F	104 °C	D 648
Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

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	410 - 460 °F	210 - 238 °C
Mold Temperature	70 - 120 °F	21 - 49 °C
Drying	2 - 4 hrs @ 200 °F	2 - 4 hrs @ 93 °C

PROCESSING NOTES

Desiccant Type Dryer Required.