



**Product Data Sheet &
General Processing Conditions**

**RTP 1200 S-90A TFE 15
Ester-based Thermoplastic Polyurethane
Elastomer (TPUR/TPU)
PTFE Lubricated**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	15 %	15 %	
Specific Gravity	1.29	1.29	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0110 in/in	1.10 %	D 955
MECHANICAL			
Tensile Strength	5000 psi	34 MPa	D 412
Tensile Elongation	400.0 %	400.0 %	D 412
Tear Strength, Die C	750.0 pli	131.4 N/mm	D 624
Hardness Shore A, 10 s delay	90	90	D 2240

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	5000 - 10000 psi	34 - 69 MPa
Melt Temperature	360 - 420 °F	182 - 216 °C
Mold Temperature	60 - 90 °F	16 - 32 °C
Drying	6 hrs @ 180 °F	6 hrs @ 82 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C

PROCESSING NOTES

Desiccant Type Dryer Required.