



**Product Data Sheet &
General Processing Conditions**

**RTP 2899 X 109567
Thermoplastic Vulcanizate (TPV)
Flame Retardant
Halogen Free**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.12	1.12	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0080 - 0.0150 in/in	0.80 - 1.50 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	No Break	No Break	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	400 psi	3 MPa	D 412
Tensile Elongation	300.0 %	300.0 %	D 412
Tear Strength, Die C	80.0 pli	14.0 N/mm	D 624
Hardness Shore A, 10 s delay	80	80	D 2240

ELECTRICAL

Dielectric Strength, S/T, in oil	500 VPM	19.7 kV/mm	D 149
Volume Resistivity	> 1E14 ohm.cm	> 1E14 ohm.cm	D 257

THERMAL

Ignition Resistance*			
Flammability	V-0 @ 1/16 in	V-0 @ 1.5 mm	UL94
Limiting Oxygen Index	29.0 %	29.00 %	D 2863
Glow Wire Flammability Index	960 °C @ 0.080 in	960 °C @ 2.0 mm	IEC 60695-2-12

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	12000 - 18000 psi	83 - 124 MPa
Melt Temperature	360 - 410 °F	182 - 210 °C
Mold Temperature	60 - 150 °F	16 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	0.03 %	0.03 %
Dew Point	0 °F	-18 °C