




**Product Data Sheet &  
General Processing Conditions**

**RTP 2899 X 109566  
Thermoplastic Vulcanizate (TPV)  
Flame Retardant  
Halogen Free**



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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.13	1.13	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 - 0.0160 in/in	1.20 - 1.60 %	D 955

**MECHANICAL**

Impact Strength, Izod unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength Break, 20 in/min (500 mm/min)	230 psi	2 MPa	D 412
Tensile Elongation Break, 20 in/min (500 mm/min)	> 200.0 %	> 200.0 %	D 412
Tear Strength, Die C	50.0 pli	8.8 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	32 %	32 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	53 %	53 %	D 395
Hardness Shore A, 10 s delay	65	65	D 2240

**THERMAL**

Ignition Resistance* Flammability	V-0 @ 1/16 in	V-0 @ 1.5 mm	UL94
Limiting Oxygen Index	29.0 %	29.00 %	D 2863

**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**

	<b>English</b>	<b>SI Metric</b>
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