



**Product Data Sheet &  
General Processing Conditions**

**RTP 2099 E X 99937 C  
Thermoplastic Elastomer Alloy  
Over Molding**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.02	1.02	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0100 in/in	1.00 %	D 955
<b>MECHANICAL</b>			
Tensile Strength	1100 psi	8 MPa	D 412
Tensile Elongation	1100.0 %	1100.0 %	D 412
Tensile Stress			
@ 50 %	360.0 psi	2.5 MPa	D 412
@ 100 %	425.0 psi	2.9 MPa	D 412
@ 300 %	600.0 psi	4.1 MPa	D 412
Tear Strength, Die C	250.0 pli	43.8 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	24 %	24 %	D 395
Hardness Shore A, 10 s delay	65	65	D 2240
<b>THERMAL</b>			
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**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	4000 - 8000 psi	28 - 55 MPa
Melt Temperature	360 - 425 °F	182 - 218 °C
Mold Temperature	60 - 90 °F	16 - 32 °C
Drying	4 hrs @ 175 °F	4 hrs @ 79 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.