



**Product Data Sheet &  
General Processing Conditions**

**RTP 2700 S-50A MD  
Saturated Styrenic Block Copolymer  
(TES/SEBS or other)  
ISO 10993 Tested**

RTP 2700 S-50A MD has been tested and was found to be compliant with ISO 10993 sections 5, 10, and 11.

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	0.89	0.89	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0200 - 0.0300 in/in	2.00 - 3.00 %	D 955
<b>MECHANICAL</b>			
Tensile Strength Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1100 psi	8 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	700.0 %	700.0 %	D 412
Tear Strength, Die C	145.0 pli	25.4 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	16 %	16 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	41 %	41 %	D 395
Hardness Shore A, 10 s delay	50	50	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**

	<b>English</b>	<b>SI Metric</b>
Melt Temperature	350 - 400 °F	177 - 204 °C
Mold Temperature	60 - 100 °F	16 - 38 °C
Drying	2 hrs @ 170 °F	2 hrs @ 77 °C