



**Product Data Sheet &  
General Processing Conditions**

**RTP 2700 S-80A  
Saturated Styrenic Block Copolymer  
(TES/SEBS or other)  
General Purpose**

**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	0.0180 - 0.0250 in/in	1.80 - 2.50 %	D 955
<b>MECHANICAL</b>			
Tensile Strength	1601 psi	11 MPa	D 412
Tensile Elongation	684.0 %	684.0 %	D 412
Tensile Stress @ 100 %	403.0 psi	2.8 MPa	D 412
Tear Strength, Die C	249.0 pli	43.6 N/mm	D 624
Peel Strength *** 90 degrees, 20 in/min (500 mm/min) PP, Failure Type D	25.0 pli	4.4 N/mm	RTP 55
PP (30% VLF), Failure Type D	18.0 pli	3.2 N/mm	RTP 55
PP (50% VLF), Failure Type D	10.0 pli	1.8 N/mm	RTP 55
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	30 %	30 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	55 %	55 %	D 395
Hardness Shore A, 10 s delay	77	77	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.

\*\*\* Values per RTP Company testing. Failure types: R=overmold failure, D=interface failure, S=substrate failure.

**GENERAL PROCESSING FOR INJECTION MOLDING**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	5000 - 10000 psi	34 - 69 MPa
Melt Temperature	350 - 450 °F	177 - 232 °C
Mold Temperature	60 - 100 °F	16 - 38 °C
Drying	2 hrs @ 170 °F	2 hrs @ 77 °C