



**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
<b>MECHANICAL</b>			
Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1800 psi	12 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	760.0 %	760.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	400.0 psi	2.8 MPa	D 412
Tear Strength, Die C	230.0 pli	40.3 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% GF), Failure Type D	18.0 pli	3.2 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	80	80	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.  
 \*\*\* 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>
Melt Temperature	360 - 450 °F	182 - 232 °C
Mold Temperature	60 - 100 °F	16 - 38 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C