



**Product Data Sheet &  
General Processing Conditions**

**RTP 2740 S-50A  
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	1.16	1.16	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0250 in/in	1.50 - 2.50 %	D 955
<b>MECHANICAL</b>			
Tensile Strength	842 psi	6 MPa	D 412
Tensile Elongation	614.0 %	614.0 %	D 412
Tensile Stress @ 100 %	249.0 psi	1.7 MPa	D 412
Tear Strength, Die C	139.0 pli	24.4 N/mm	D 624
Peel Strength *** 90 degrees, 20 in/min (500 mm/min)			
PP, Failure Type R	> 35.0 pli	> 6.1 N/mm	RTP 55
PP (30% VLF), Failure Type R	> 35.0 pli	> 6.1 N/mm	RTP 55
PP (50% VLF), Failure Type D	18.0 pli	3.2 N/mm	RTP 55
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	14 %	14 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	38 %	38 %	D 395
Hardness Shore A, 10 s delay	53	53	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>
Injection Pressure	5000 - 10000 psi	34 - 69 MPa
Melt Temperature	325 - 400 °F	163 - 204 °C
Mold Temperature	60 - 100 °F	16 - 38 °C
Drying	2 - 4 hrs @ 160 °F	2 - 4 hrs @ 71 °C
Moisture Content	0.04 %	0.04 %