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Ponciplastics.com



**Product Data Sheet &  
General Processing Conditions**

**RTP 2700 S-30A  
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	0.0200 - 0.0300 in/in	2.00 - 3.00 %	D 955

**MECHANICAL**

Tensile Strength	590 psi	4 MPa	D 412
Tensile Elongation	656.0 %	656.0 %	D 412
Tensile Stress @ 100 %	85.0 psi	0.6 MPa	D 412
Tear Strength, Die C	102.0 pli	17.9 N/mm	D 624
Peel Strength *** 90 degrees, 20 in/min (500 mm/min) PP, Failure Type R	25.0 pli	4.4 N/mm	RTP 55
PP (30% VLF), Failure Type R	24.0 pli	4.2 N/mm	RTP 55
PP (50% VLF), Failure Type D	21.0 pli	3.7 N/mm	RTP 55
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	12 %	12 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	45 %	45 %	D 395
Hardness Shore A, 10 s delay	30	30	D 2240

**THERMAL**

Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635
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**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 %