



**Product Data Sheet &
General Processing Conditions**

**RTP 2700 S-70A
Saturated Styrenic Block Copolymer
(TES/SEBS or other)
General Purpose**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
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	1526 psi	11 MPa	D 412
Tensile Elongation	723.0 %	723.0 %	D 412
Tensile Stress @ 100 %	359.0 psi	2.5 MPa	D 412
Tear Strength, Die C	225.0 pli	39.4 N/mm	D 624
Peel Strength *** 90 degrees, 20 in/min (500 mm/min)			
PP, Failure Type D	> 35.0 pli	> 6.1 N/mm	RTP 55
PP (30% VLF), Failure Type D	31.0 pli	5.4 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	25 %	25 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	48 %	48 %	D 395
Hardness Shore A, 10 s delay	71	71	D 2240

THERMAL

Ignition Resistance* Flammability	HB @ 1/16 in	HB @ 1.5 mm	UL94
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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. Failure types: R=overmold failure, D=interface failure, S=substrate failure.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
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 @ 170 °F	2 - 4 hrs @ 77 °C
Moisture Content	0.04 %	0.04 %