



**Product Data Sheet &
General Processing Conditions**

**RTP 2700 S-40A
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	0.0110 - 0.0130 in/in	1.10 - 1.30 %	D 955

MECHANICAL

Tensile Strength	812 psi	6 MPa	D 412
Tensile Elongation	697.5 %	697.5 %	D 412
Tensile Stress @ 100 %	135.0 psi	0.9 MPa	D 412
Tear Strength, Die C	133.0 pli	23.3 N/mm	D 624
Peel Strength *** 90 degrees, 20 in/min (500 mm/min) PP, Failure Type R	30.0 pli	5.3 N/mm	RTP 55
PP (30% VLF), Failure Type R	28.0 pli	4.9 N/mm	RTP 55
PP (50% VLF), Failure Type D	17.0 pli	3.0 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	42 %	42 %	D 395
Hardness Shore A, 10 s delay	40	40	D 2240

THERMAL

Ignition Resistance*			
Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635
Glow Wire Flammability Index**	700 °C @ 1/8 in	700 °C @ 3.0 mm	IEC 60695-2-12

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

	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 @ 160 °F	2 - 4 hrs @ 71 °C
Moisture Content	0.04 %	0.04 %