



**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

MECHANICAL

Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1600 psi	11 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	750.0 %	750.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	360.0 psi	2.5 MPa	D 412
Tear Strength, Die C	215.0 pli	37.7 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% GF), Failure Type D	31.0 pli	5.4 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	70	70	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

	English	SI Metric
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