



**Product Data Sheet &
General Processing Conditions**

**RTP 2700 S-40A MD Natural
Saturated Styrenic Block Copolymer (TES/SEBS or
other)
General Purpose
ISO 10993 tested**

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)	800 psi	6 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	730.0 %	730.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	135.0 psi	0.9 MPa	D 412
Tear Strength, Die C	125.0 pli	21.9 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% GF), Failure Type R	28.0 pli	4.9 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

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