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Ponciplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 2700 S-40A HB
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 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, 40 in/min (3.2 mm, 1000 mm/min) @ 100 %	135.0 psi 125.0 pli	0.9 MPa 21.9 N/mm	D 412 D 624
Tear Strength, Die C			
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2 22 h @ 70 °C (158 °F), Method B, Type 2	14 % 42 %	14 % 42 %	D 395 D 395
Hardness Shore A, 10 s delay	40	40	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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
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