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Ponciplastics.com



**Product Data Sheet &
General Processing Conditions**

**RTP 2740 S-70A HF
Saturated Styrenic Block Copolymer
(TES/SEBS or other)
Preliminary Datasheet**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.13	1.13	D 792
MECHANICAL			
Tensile Strength	1000 psi	7 MPa	D 412
Tensile Elongation	> 500.0 %	> 500.0 %	D 412
Tensile Stress			
Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min)			
@ 100 %	365.0 psi	2.5 MPa	D 412
Tear Strength, Die C	165.0 pli	28.9 N/mm	D 624
Compression Set			
22 h @ 23 °C (73 °F), Method B, Type 2	17 %	17 %	D 395
22 h @ 70 °C (158 °F), Method B, Type 2	38 %	38 %	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

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.

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
Moisture Content	< 0.05 %	< 0.05 %