



**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 | 0.9 MPa | D 412 |
| Tear Strength, Die C | 125.0 pli | 21.9 N/mm | D 624 |
| 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 | UL94 |

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 |