



**Product Data Sheet &
General Processing Conditions**

**RTP 2700 S-50A
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 | 851 psi | 6 MPa | D 412 |
| Tensile Elongation | 699.0 % | 699.0 % | D 412 |
| Tensile Stress @ 100 % | 185.0 psi | 1.3 MPa | D 412 |
| Tear Strength, Die C | 146.0 pli | 25.6 N/mm | D 624 |
| Peel Strength *** 90 degrees, 20 in/min (500 mm/min) | | | |
| PP, Failure Type R | > 35.0 pli | > 6.1 N/mm | RTP 55 |
| PP (30% VLF), Failure Type D | > 35.0 pli | > 6.1 N/mm | RTP 55 |
| PP (50% VLF), Failure Type D | 18.0 pli | 3.2 N/mm | RTP 55 |
| Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2 | 16 % | 16 % | D 395 |
| 22 h @ 70 °C (158 °F), Method B, Type 2 | 41 % | 41 % | D 395 |
| Hardness Shore A, 10 s delay | 49 | 49 | 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 |
|--------------------|--------------------|-------------------|
| Injection Pressure | 5000 - 10000 psi | 34 - 69 MPa |
| Melt Temperature | 325 - 400 °F | 163 - 204 °C |
| Mold Temperature | 60 - 100 °F | 16 - 38 °C |
| Drying | 2 - 4 hrs @ 160 °F | 2 - 4 hrs @ 71 °C |
| Moisture Content | 0.04 % | 0.04 % |