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**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**

| <b>PERMANENCE</b>                                                                                            | <b>English</b>           | <b>SI Metric</b>         | <b>ASTM<br/>TEST</b> |
|--------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------|
| Specific Gravity                                                                                             | 0.89                     | 0.89                     | D 792                |
| <b>MECHANICAL</b>                                                                                            |                          |                          |                      |
| Tensile Strength<br>Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)                                           | 1000 psi                 | 7 MPa                    | D 412                |
| Tensile Elongation<br>Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)                                  | 780.0 %                  | 780.0 %                  | D 412                |
| Tensile Stress<br>Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min)<br>@ 100 %                                  | 185.0 psi<br>135.0 pli   | 1.3 MPa<br>23.7 N/mm     | D 412<br>D 624       |
| Tear Strength, Die C                                                                                         |                          |                          |                      |
| Peel Strength ***<br>90 degrees, 20 in/min (500 mm/min)<br>PP, Failure Type R<br>PP (30% GF), Failure Type D | > 35.0 pli<br>> 35.0 pli | > 6.1 N/mm<br>> 6.1 N/mm | RTP 55<br>RTP 55     |
| Compression Set<br>22 h @ 23 °C (73 °F), Method B, Type 2<br>22 h @ 70 °C (158 °F), Method B, Type 2         | 16 %<br>41 %             | 16 %<br>41 %             | D 395<br>D 395       |
| Hardness<br>Shore A, 10 s delay                                                                              | 50                       | 50                       | D 2240               |
| <b>THERMAL</b>                                                                                               |                          |                          |                      |
| Ignition Resistance*<br>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**

|                  | <b>English</b> | <b>SI Metric</b> |
|------------------|----------------|------------------|
| 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    |