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Ponciplastics.com



## Product Data Sheet & General Processing Conditions

### RTP 2700 S-60A Saturated Styrenic Block Copolymer (TES/SEBS or other) UV Stabilized

#### PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

| PERMANENCE                                                | English               | SI Metric     | ASTM<br>TEST |
|-----------------------------------------------------------|-----------------------|---------------|--------------|
| Specific Gravity                                          | 0.89                  | 0.89          | D 792        |
| Molding Shrinkage<br>1/8 in (3.2 mm) section              | 0.0200 - 0.0300 in/in | 2.00 - 3.00 % | D 955        |
| <b>MECHANICAL</b>                                         |                       |               |              |
| Tensile Strength                                          | 1281 psi              | 9 MPa         | D 412        |
| Tensile Elongation                                        | 737.5 %               | 737.5 %       | D 412        |
| Tensile Stress<br>@ 100 %                                 | 262.0 psi             | 1.8 MPa       | D 412        |
| Tear Strength, Die C                                      | 191.0 pli             | 33.5 N/mm     | D 624        |
| Peel Strength ***<br>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                              | 26.0 pli              | 4.6 N/mm      | RTP 55       |
| Compression Set<br>22 h @ 23 °C (73 °F), Method B, Type 2 | 21 %                  | 21 %          | D 395        |
| 22 h @ 70 °C (158 °F), Method B, Type 2                   | 46 %                  | 46 %          | D 395        |
| Hardness<br>Shore A, 10 s delay                           | 61                    | 61            | D 2240       |
| <b>THERMAL</b>                                            |                       |               |              |
| 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 @ 170 °F | 2 - 4 hrs @ 77 °C |
| Moisture Content   | 0.04 %             | 0.04 %            |