



**Product Data Sheet &  
General Processing Conditions**

**RTP 2740 S-40A  
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                                          | 1.16                  | 1.16             | D 792                |
| Molding Shrinkage<br>1/8 in (3.2 mm) section              | 0.0150 - 0.0250 in/in | 1.50 - 2.50 %    | D 955                |
| <b>MECHANICAL</b>                                         |                       |                  |                      |
| Tensile Strength                                          | 605 psi               | 4 MPa            | D 412                |
| Tensile Elongation                                        | 615.0 %               | 615.0 %          | D 412                |
| Tensile Stress<br>@ 100 %                                 | 145.0 psi             | 1.0 MPa          | D 412                |
| Tear Strength, Die C                                      | 100.0 pli             | 17.5 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 R                              | > 35.0 pli            | > 6.1 N/mm       | RTP 55               |
| PP (50% VLF), Failure Type D                              | 17.0 pli              | 3.0 N/mm         | RTP 55               |
| Compression Set<br>22 h @ 23 °C (73 °F), Method B, Type 2 | 12 %                  | 12 %             | D 395                |
| 22 h @ 70 °C (158 °F), Method B, Type 2                   | 38 %                  | 38 %             | D 395                |
| Hardness<br>Shore A, 10 s delay                           | 41                    | 41               | 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**

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