**SSP278 Series**  
**A-A 59588A Class I A&B Group 40 Silicone**

**PRODUCT DESCRIPTION**  
SSP278- is a 40 durometer heat cured silicone elastomer designed to meet the A-A 59588A Class I A&B Group 40 specification (formerly ZZR-765). This product uses a varox peroxide catalyst system. It can be supplied as ready-to-mold compound or as compression molded sheet stock. SSP278 silicone can be pigmented to a customer’s requirement, but the most popular colors produced are red, black, and gray.

<table>
<thead>
<tr>
<th>DATA</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shore A (35 – 45 range)</td>
<td>40</td>
</tr>
<tr>
<td>Tensile Strength (700 psi minimum)</td>
<td>1000 psi</td>
</tr>
<tr>
<td>Elongation % (250 minimum)</td>
<td>500%</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.12 – 1.17</td>
</tr>
</tbody>
</table>

*Other tests performed are in accordance with A-A 59588A Class I A&B Group 40 specification include: 22 hours Compression Set, 70 hours Compression Set, Brittle Point, Torsional Stiffness, Youngs Modulus, Shore Change, Tensile Change, and Elongation Change.*

**Cure Profile:** Compression cure for 10 minutes at 177°C (350°F). Post bake for 2 hours at 200°C (390°F).

*Certification charges may apply for small quantity orders.*

**CATALYZING**  
Raw material available catalyzed and ready for press cure molding. Data above was generated with Varox catalyst system.

**SHELF LIFE**  
Uncatalyzed – indefinite, may need freshening after 1-2 years. Catalyzed – 6 months. Cold storage will extend shelf life.

**HANDLING & SAFETY**  
MSDS information is available on request.

For more information visit [www.sspinc.com](http://www.sspinc.com). To order call *(518) 885-8826/* or Fax *(518) 885-4682/*.

**Specialty Silicone Products, Inc.**  
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