SSP372 Series
MIL-R-25988-(B) Type 2 Class 1 Group 80 Silicone

PRODUCT DESCRIPTION
SSP372 is a 80 durometer heat cured silicone elastomer. It is designed to meet the fuel resistant requirements outlined in the MIL-R-25988-(B) Type 2 Class 1 Group 80 specification. This product uses a varox peroxide catalyst system. It can be supplied as ready-to-mold compound or as compression molded sheet stock. SSP372 silicone can be pigmented to a customer’s requirement, but the most popular colors produced is blue.

<table>
<thead>
<tr>
<th>DATA</th>
<th>Typical Values</th>
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</thead>
<tbody>
<tr>
<td>Shore A (75 - 85 range)</td>
<td>80</td>
</tr>
<tr>
<td>Tensile Strength (750 psi minimum)</td>
<td>800 psi</td>
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<tr>
<td>Elongation % (70 % minimum)</td>
<td>170%</td>
</tr>
<tr>
<td>Tear B (40 ppi min)</td>
<td>102 ppi</td>
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<tr>
<td>Specific Gravity</td>
<td>1.72 – 1.78</td>
</tr>
</tbody>
</table>

*Other tests performed in accordance with MIL-R-25988-(B) Type 2 Class 1 Group 80 specification include: 22 hours Compression Set, 70 hours Compression Set, Brittle Point, Torsional Stiffness, Youngs Modulus, Shore Change, Tensile Change, Weight Loss %, Oil Immersion, Volume Change %, and Elongation Change.

*Cure Profile: Compression cure for 10 minutes at 177°C (350°F). Post bake for 3 hours at 200°C (390°F).

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. To order call (518) 885-8826/ or Fax (518) 885-4682.

Specialty Silicone Products, Inc.
Corporate Technology Park * 3 McCrea Hill Road * Ballston Spa, NY 12020

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