SSP083 Series
MIL-R-25988-(B) Type 2 Class 1 Group 60 Silicone

PRODUCT DESCRIPTION
SSP083 is a 60 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 60 specification. This product uses a varox- or dicumyl- peroxide catalyst system. It can be supplied as ready-to-mold compound or as compression molded sheet stock. SSP083 silicone can be pigmented to a customer’s requirement, but the most popular colors produced are red, blue, and black.

<table>
<thead>
<tr>
<th>DATA</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shore A (55 - 65 range)</td>
<td>60</td>
</tr>
<tr>
<td>Tensile Strength (900 psi minimum)</td>
<td>1000 psi</td>
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<tr>
<td>Elongation % (175 % minimum)</td>
<td>350%</td>
</tr>
<tr>
<td>Tear B (40 ppi min)</td>
<td>150 ppi</td>
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<tr>
<td>Specific Gravity</td>
<td>1.60 – 1.65</td>
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</tbody>
</table>

*Other tests performed in accordance with MIL-R-25988-(B) Type 2 Class 1 Group 60 specification include: 22 hours Compression Set, 70 hours Compression Set, Brittle Point, Torsional Stiffness, Young’s 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).

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

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