

**High Strength 50 Durometer Silicone**

**PRODUCT DESCRIPTION**

SSP200T is a 50 durometer high tear strength and flex resistance heat cured silicone elastomer. This product uses a DCLBP peroxide catalyst system. It can be supplied as uncured compound ready to use, compression molded sheet stock, or continuous rolls. Meets the A-A 59588 Class 3B Grade 50 Specification.

Test	Specifications	Typical Values
Shore A	45 - 55	50
Tensile Strength, psi	1200 min.	1400
Elongation %	500 min.	600
Tear-B, ppi	150 min.	220
Comp Set (70/100°C), %	20 max	15
Specific Gravity	1.12-1.20	1.15
Flex Resistance(140,000 cycles), inch	0.5 max	0.42
Low Temperature Brittle Point @ -70°C	Pass 5 of 5	Pass
<p><b>Cure Profile:</b> Compression cure for 15minutes at 116°C (240°F). Post Cure for 2 hours at 200°C (392°F). Rheology: (3°, 7 min. @ 240°F) T1: 0.75, MH: 42, ML: 4.7</p>		

**CATALYZING**

Raw material is available catalyzed and ready for compression molding and HAV curing. Data above was generated with Bis(2,4 Di -Chlorobenzoyl) Peroxide catalyst system. A-A 59588 Class 3B Grade 50 Specification is only certified with the DCLBP catalyst.

**COLOR AVAILABILITY:** Gray, White, and Black

**SHELF LIFE**

Catalyzed – 2 months. Cold storage will extend shelf life. (Store below 80°F)  
Cured - indefinite

**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.**

Corporate Technology Park \* 3 McCrea Hill Road \* Ballston Spa, NY 12020

**Specialty Silicone Products, Inc. is an ISO 9001:2008 registered company.**

Because we cannot foresee or control varied conditions under which this information and our materials may be used, we do not guarantee the applicability or accuracy of this information or the suitability of our materials for their specific purposes. This material is provided without warranty, either expressed or implied, of fitness for a specific purpose or nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents.