

**High Strength 70 Durometer Silicone**

**PRODUCT DESCRIPTION**

SSP2521T is a 70 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 70 Specification.

Test	Specifications	Typical Values
Shore A	65 - 75	71
Tensile Strength, psi	1100 min.	1238
Elongation %	350 min.	462
Tear-B, ppi	150 min.	195
Comp Set (70/100°C), %	25 max	23.8
Specific Gravity	1.17-1.23	1.20
Flex Resistance(2,500 cycles), inch	0.5 max	0.43
Low Temperature Brittle Point @ -70°C	Pass 5 of 5	Pass
Shore A Change (HA 70/200°C)	10 max	-4.2
Tensile Strength, psi Change (HA 70/200°C)	-30 max	-4.0
Elongation % Change (HA 70/200°C)	-45 max	-20.3
Volume Change, %	5 max	0.6
Bayshore	35 min	42
<p><b>Cure Profile:</b> Compression cure for 15 minutes at 116°C (240°F). Post Cure for 2 hours at 200°C (392°F).  Rheology: (3°, 7 min. @ 240°F) ML: 6.2, MH: 51, T1: 0.62, T90: 2.07</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 70 Specification is only certified with the DCLBP catalyst.

**COLOR AVAILABILITY:** Gray, Red, Natural & Black

**SHELF LIFE**

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

**HANDLING & SAFETY**

SDS 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.

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