



SSP2523T

Low Temperature High Strength 50 Durometer Silicone

PRODUCT DESCRIPTION

SSP2523T is a 50 durometer low temperature, high tear strength, and flex resistance heat cured silicone elastomer. SSP2535T is a phenyl silicone compound where resistance to extreme low temperature to approximately -75°C(-103°F) is required. 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 3A Grade 50 Specification.

Test	Specifications	Typical Values
Shore A	45 - 55	49
Tensile Strength, psi	1200 min	1493
Elongation %	500 min	807
Tear-B, ppi	175 min	237
Comp Set (70/100°C), %	40 max	15.6
Specific Gravity	1.15-1.21	1.19
Flex Resistance(10,000 cycles), inch	0.5 max	0.35
Low Temperature Brittle Point @ -90°C	Pass 5 of 5	Pass
Low Temperature Torsional Stiffness @ -75°C	15 max	
Shore A Change (HA 70/200°C)	10 max	7.0
Tensile Strength, psi Change (HA 70/200°C)	-40 max	-7.5
Elongation % Change (HA 70/200°C)	-50 max	-19.0
Volume Change, %	5 max	0.8
<p>Cure Profile: 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: 4.2, MH: 24.7, T1: 1.1</p>		

Typical values are derived from the qualifying batch.

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 3A Grade 50 Specification is only certified with the DCLBP catalyst.

COLOR AVAILABILITY: Natural (off white)

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

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