



## SSP1401-L

### MIL-S-8660C QUALIFIED SILICONE COMPOUND

#### PRODUCT DESCRIPTION

SSP-1401-L is a silicone compound approved for listing on the Qualified Products List (QPL) of the U.S. Government for silicone compounds that meet the MIL-S-8660C specification, effective November 7, 1997.

TYPICAL DATA PER MIL-S-8660C			
<b>Appearance:</b>	White/Translucent	<b>Temperature:</b>	-75°F to 400°F
<b>Unworked Penetration:</b>	230	<b>Worked Penetration:</b>	275
<b>Bleed (30hr @ 204C):</b>	2%	<b>Evaporation:</b>	1%
<b>Specific Gravity:</b>	1.01	<b>Flammability:</b>	Non Flammable
<b>Corrosive effect on metals/nonmetals:</b>		No effect	
<b>Volume Change of rubber (%):</b>		0.6 (168hrs @ 70C)	
<b>Insolubility (% weight loss):</b>	Distilled water:	0.013	
	Isopropyl Alcohol:	0.025	
	Ethyl Alcohol:	0.044	
	Ethylene Glycol:	0.012	
	Glycerine:	0.013	
<b>Low Temp Torque (gm-cm, max.)</b>	Starting:	885	
	Running:	516	
<b>Volume Resistivity</b>	@ 23C	3.8 x 10 <sup>13</sup> ohm/cm	<b>Dielectric Strength</b>
	@ 177C	3.7 x 10 <sup>14</sup> ohm/cm	
		0.050" gap	330 volts/mil
		0.010" gap	550 volts / mil
<b>Dielectric Constant</b>	@ 1 KHz	2.7 max	<b>Dissipation Factor</b>
	@ 1 MHz	2.8 max	
	@ 10 MHz	2.2 max	
		@ 1Khz	0.0006 max
		@ 1 Mhz	0.0002 max
		@ 10 MHz	0.001 max
<b>Arc Resistance (seconds, min)</b>		60 seconds, no failure, 100 % of samples	

KEY FEATURES	APPLICATIONS	CONTAINERS
Low Volatiles	Moisture proofing electrical connections.	400 lb Drum
Excellent Dispersion	Ignition system connections	40 lb Plastic Pail
Wide Temperature Range	Electronic component sealant	8 lb. Plastic Pail
Excellent Stability	Threaded connector lubricant	1 lb Jar
Water Repellent	Rubber and plastics lubricant	14.1 oz Cartridge
		5.3 oz Plastic Tube

#### 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.