



Solar Compounds Corporation  
 1201 West Blancke Street  
 Linden, NJ 07036 USA  
 Ph: 908-862-2813 Fax: 908-862-8061  
 Intnl: Ph: (0101) 908-862-2813 Fax: (0101) 908-862-8061  
 www.solarcompounds.com

# TECHNICAL DATA SHEET

## SOLARITE KM-4200 SERIES SILICONE CABLE SEALANTS

**DESCRIPTION:** SOLARITE KM-4200 SERIES SEALANTS are high viscosity clean-stripping two-component, room-temperature, vulcanizing silicones with a convenient 1:1 by volume or weight mix ratio. Well-suited to automatic dispensing equipment used in sophisticated cabling operations. **SOLARITE KM-4200 SERIES SILICONE CABLE SEALANTS** are recommended for the blocking and sealing of valleys in multi-conductor cables. **KM-4200 SERIES SEALANTS** are also available in other custom viscosity specifications and cure schedules by special request.

### SPECIFICATIONS:

	<b>Part A</b>	<b>Part B</b>
Color, Visual	Green	White
Mix Ratio—By Weight	1	1
Mix Ratio—By Volume	1	1
Viscosity, cps @ 77°F* ( <b>Standard</b> )	7.0-9.0 Million	8.0-10.0 Million
Specific Gravity (Theoretical)	1.86 +/- .03	
Pounds/Gallon (Theoretical)	15.5	
Solids	100%	
Gel Time	5-8 Hours	
Working Life (Approx.)	3-4 Hours	
Cure Time (Approx.)	12-24 Hours	
Clean Stripping	Yes	
Complete Reaction, No By-Products		
Oxygen Index ASTM-D-2863	58.3%	
Toxicity Index		
NES713 Per MIL-C-24643		
Index/100 Gm 5 Max.	4.1	
Acid Gas Generation – MIL-C-24643		
Acid Equivalent Relative to		
HCL Acid, % 2 Max.	No Detectable Acid Gases Generated	
Dielectric Constant ASTM-D-150	2.95	

Smoke Index	
Method NES711	10.02
Halogen Content	None

---

\***NOTE:** Viscosities taken in Brookfield Thermocel using Helipath T-F Spindle. Speed 0.5 RPM's after 3 revolutions. Silicone sample filled in a round aluminum cylinder with dimensions of 1-5/8" diameter and 2-7/8' high.

---

**CURE SCHEDULE:**

Initial cure is achieved in 12-24 hours at room temperature. Final cure takes at least 7-10 days at 72°F. To accelerate the cure, higher temperatures can be used; 150°F is usually sufficient.

**SPECIAL REQUIREMENTS:**

1. Flush lines and mixers after use with Uncatalyzed Component B-White.
2. Silicones can be poisoned by foreign contaminants like sulphur and amine compounds. Poisoning inhibits the cure of the silicone at the point of contact with the contaminant. Increasing the catalyst used, speeding up the cure time, or removing contaminants from the process can stop poisoning.
3. Supplied in 55-gallon drums and 5-gallon pails.

**NOTE:** For further specific processing information, click in this box for our "helpful hints" guide on RTV Silicones.

**IMPORTANT:**

The following supersedes any provision in your company's forms, letters, and papers. **SOLAR COMPOUNDS CORPORATION** makes NO WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES of MERCHANTABILITY OR of FITNESS FOR A PARTICULAR PURPOSE FOR THIS PRODUCT. No statements or recommendations contained in the product literature are to be construed as inducements to infringe any relevant patent, now or thereafter in existence. UNDER NO CIRCUMSTANCES SHALL **SOLAR COMPOUNDS CORPORATION** BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH of WARRANTY, STRICT LIABILITY OR ANY OTHER THEORY, ARISING OUT of THE USE OR HANDLING of THIS PRODUCT. The sole liability of **SOLAR COMPOUNDS CORPORATION** for any claims arising out of the manufacture, use or sale of its products shall be to refund the buyer's purchase price, provided such products have been demonstrated in **SOLAR COMPOUNDS CORPORATION'S** sole opinion, to justify such refund.

**HEALTH CAUTION:**

Please refer to Material Safety Data Sheet before using these products.

**PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER FIRST  
AID INFORMATION.**

FOR CHEMICAL EMERGENCY  
CALL CHEMTREC (DAY OR NIGHT) 800-424-9300.

10/03