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# TECHNICAL DATA SHEET

## SOLARITE KM-2774 STRAND SEAL SEMI-CONDUCTING

**USE:** For the sealing of strands in high voltage power cables to prevent water penetration.

**DESCRIPTION:** SOLARITE KM-2774 is a non-hardening sealant, composed of a synthetic elastomer, high molecular weight polyester, conductive carbon black and inert mineral fillers and fibers. Does not contain asbestos, oil, hydrocarbons, or low molecular weight plasticizers. All ingredients are virgin materials.

### PHYSICAL PROPERTIES:

Color.....Black  
Solids.....100%  
Specific Gravity.....1.32 +/- .05  
Resistivity Ohms/Unit Sq.....1000 Ohms  
Penetration (.1mm).....135 to 145  
(Cone, 300 Grams Load @ 77°F ASTM-D-217-48)  
Melt Index 1-3 Grams @ 121°C..... .08 to .15 Grams/Minute  
(Min. 2160 Gm Load, Preheat 10 Min., Run 30 Sec.)

### SPECIAL PROPERTIES:

- 1) No adverse effects on electrical or physical properties of high and low density polyethylene, synthetic elastomers, cross-linked polymers, PVC, rubbers.
- 2) Non-injurious to semi-conducting shields.
- 3) Remains stable at 300°F and higher temperatures for short periods.

- 4) Non-hydroscopic, excellent resistance to water, water vapor and salt water.
- 5) Non-drying, remains plastic with no shrinkage upon aging.
- 6) Non-corrosive to metals.
- 7) Resistant to oil.
- 8) Non-brittle @ -40°F.
- 9) Will not melt or flow at the higher temperatures.
- 10) Good adhesion to most clean, dry surfaces.
- 11) Little to no odor, non-toxic, and non-irritating to the skin.

**APPLICATION:** Pumped with heavy duty, double action hydraulic drum ram equipment. Cone shaped, heated follower plate and heated delivery lines recommended.

**PACKAGING:** 55-gallon drums, 5-gallon pails.

**IMPORTANT:**

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**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.