



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-4225 CABLE PROTECTION COMPOUND FOR SUBMARINE COMMUNICATION AND POWER CABLES

DESCRIPTION: A specialty asphalt protective compound designed for jute, of specially selected oxidized asphalts, hydrocarbon resin, and waxes. Specifically designed to offer low-temperature flexibility and anti-blocking properties to facilitate cable manufacturing, storage, and cable laying operations. Environmental and user friendly.

PHYSICAL PROPERTIES:

| | <u>Value</u> | |
|---|---|--|
| Softening Point - ASTM-D-36-95* | 210°F | +/- 10°F |
| Penetration @ 25°C (.1mm) ASTM-D-5* | 17 | +/- 5 |
| Viscosity - Brookfield Thermocel @ 250°F (Spindle 27 @ 50 rpm) ASTM-D-2196 | 2000 cps | +/- 500 cps |
| Moisture Content - ASTM-D-789 | 0.5% | +/- .05% |
| Corrosion of Copper* | None | |
| Cold Temperature Susceptibility | -30°F Flexed Coated Steel Wire and Saturated Fiber | |
| Weight Loss on Heating (5 Hrs. @ 163°C) ASTM-D-6 | 0.05% | +/- 0.05% |
| Specific Heat | 0.6 Cal/Gm | |
| Flash Point - ASTM-D-92 Cleveland Open Cup | 525°F | |
| Fire Point - ASTM-D-92 Cleveland Open Cup | 625° | |
| Specific Gravity @ 25°C - ASTM-D-71-27 | 1.05 | +/- .03 |
| Suggested Applying Temperature | 265°F | +/- 15° (Prevents Any Heat Degradation of Cable Components) |

PACKAGING AND MARKINGS: SOLARITE KM-4225 is supplied in steel or fiber drums weighing approximately 400 pounds. Each drum is identified with

gross and net weights, date of manufacture, and batch number. It may also be supplied in 100-pound fiber cartons and 45,000-pound tankwagons.

*Copper Corrosion Test: Immerse a piece of bright clean copper wire for a period of 30 minutes in a sample of compound at 149°C to 163°C. The wire shall be suspended so that it does not touch the containing vessel. At the end of 30 minutes, wipe the wire clean. It shall show no evidence of corrosion. A slight bronzing effect may be disregarded.

*Melt sample @ 300°F, stir lightly, no air bubbles.

IMPORTANT:

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HEALTH CAUTION:

Avoid breathing possible fumes, mists and vapors which can cause severe respiratory damage. Use of NIOSH approved breathing apparatus is required for more than minimal exposure. Always work in areas with adequate ventilation to allow dissipation of chemical fumes. Use of goggles, protective garments, rubber gloves, protective cream is required.

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

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