Presstite Thermal Mastic is a heat conducting compound that increases heat transfer four times the amount of mechanical mounting alone. The result is faster response times from expansion valves and controls when connecting the sensor bulb to the suction line, better heat transmission between suction and liquid line heat exchangers and faster heat transmission between coils and liners. Thermal Mastic has a working temperature range from -50°F to 220°F (-46°C to 100°C) and is available in 4 convenient sizes for virtually any application. To enhance the performance of these and other temperature sensitive components that rely on surface to surface heat transfer, use Virginia Thermal Mastic.

**CHARACTERISTICS:**
- Stable between -50°F to 220°F (-46°C to 100°C).
- Increases heat transfer between surfaces 4 times over mechanical mounting alone.
- Replaces solder for heat transmission.
- Available in 4 convenient sizes.

**USES:**
Any application in which enhanced surface to surface heat transfer would aid in system or component performance such as expansion valve and thermometer sensor bulbs.

**APPLICATION METHODS:**
Can be applied by squeezing tube or by troweling in bulk quantities.
Protective gloves should be worn.

**SUGGESTED APPLICATION INSTRUCTIONS:**
1. Clean surfaces to be joined.
2. Fasten parts securely together as recommended by the manufacturer.
3. Apply Presstite thermal mastic to one or both sides of joined parts.

**CAUTIONARY NOTES:**
This product is for professional use only. If used improperly this product can:
- Cause irritation to skin.
- Cause respiratory irritation or act as a narcotic or anaesthetic.
Refer to MSD sheet for further information. MSD sheets are available at your local wholesaler or by calling Virginia KMP.
CHEMICAL AND PHYSICAL CHARACTERISTICS:

- **Solid Composition**: Approximately 99%
- **Shrinkage**: Nil
- **Odor**: Will not contaminate sweet butter
- **Shelf Life**: Normally two years or more, depending on storage conditions
- **Coverage**: Approximately 390 feet per gallon in a 1/4” diameter bead
- **Adhesion**: Good on most clean, dry surfaces
- **Water Resistance**: Not absorbive and resistant to vapor transfer
- **Color**: Tan
- **Approximate Weight per Gallon**: 14.6 pounds
- **150 g. Cone P. @ 77°F**: 25.0 - 32.0 mm
- **Rheometer**: 0.104 Orifice, 40 psi @ 77°F
- **Viscosity**: 3,700,000 centipoise when tested with a Brookfield DV1+ viscometer using a #7 spindle at 0.5 rpm @ 25°C
- **K Factor (thermal conductivity)**: 0.0020 Cal./(Sec. cm °C) (Approx.) or 6.5 BTU/(hr x ft² - °F)
- **Flash**: 450°F minimum
- **Slump**: 1/4” bead @ 158°F = no slump
- **Corrosion**: Will not corrode copper, galvanized or unfinished steel.
- **Effect of High Temperature**: Will not flow @ 220°F
- **Effect of Low Temperature**: Will not become brittle @ -50°F
- **Effect on Plastics**: Will craze polystyrene
- **Effect on Rubber**: Will swell rubber
- **Effect on Laquer**: None - non staining
- **Effect on Enamel**: None - non staining
- **pH**: 7.0 plus
- **Clean up**: Thermal Mastic can be dissolved or cut with mineral spirits

PACKAGE SIZES AVAILABLE:

Thermal mastic is available in 8 oz tubes or in 1, 5 and 50 gallon containers.