

PM8 (475321) 7.5-oz. Tube PM21 (475313) 1 Gallon PM25 (475315) 5 Gallon PM50 (475319) 55 Gallon



Virginia Thermal Mastic is a heatconducting 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 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:

Made in the USA

- Cause irritation to skin
- Cause respitory irritation or act as a narcotic or anaesthetic

Refer to SDS sheet for further information. SDS sheets are available at your local wholesaler, or by calling Parker Virginia or online at www. parker.com/coolparts.





VIRGINIA) Thermal Mastic - Virginia

Solid Composition	
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Snrinkage	
Odor	Neutral to no odor
Shelf Life 2 Years	Normally two years or more, depending on storage conditions
Coverage	Approximately 390 ft./gallon in a 1/4" diameter bead
Adhesion	Good on most clean, dry surfaces
Water Resistance	Not absorbtive and resistant to vapor transfer
Color	White to light tan
Approximate Weight Per Gallon	14.6 lbs.
150 G. Cone P. at 77°F	25.0 - 32.0 mm
ASTM D217-52T	
Rheometer 0.104 Orifice, 40 psi at 77°F	75 - 175 seconds
Viscosity	3,700,000 centipoise when tested with a Brookfield DV1+ viscosimeter using a No. 7 spindle at 0.5 rpm at 25°C
K Factor (Thermal Conductivity)	.0020 Cal./(Sec. cm °C) (Approx.) or 6.5 BTU/(hr x ft² - °F)
Flash	450°F (232°C) minimum
Slump	1/4" bead at 158°F = no slump
Corrosion	Will not corrode copper, galvanized or unfinished steel
Effect Of High Temperature	Will not flow at 220°F (104°C)
Effect Of Low Temperature	Will not become brittle at -50°F (46°C)
Effect On Plastics	Will craze polystyrene
Effect On Rubber	Will swell rubber
Effect On Laquer	None - non-staining
Effect On Enamel	None - non-staining
рН	7.0+
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.

▲WARNING – USER RESPONSIBILITY

Failure or improper selection or improper use of the products described herein or related items can cause death, personal injury and property damage.

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Parker Hannifin Corporation **A/C Refrigeration Aftermarket** 206 Lange Drive • Washington, MO 63090 USA phone 636 239 1111 • fax 636 239 9130 www.parker.com/coolparts

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