

Trantherm® T2 (2021)

Thermally conductive material

Product Description

Trantherm® T2 (2021) is aluminum based adhesive coated material designed for use where high thermal conductivity and high adhesion is required. It is supplied with a liner on both sides. *Trantherm®* adhesive materials are designed to be applied with little or no force.

Application

Trantherm® is a thermally conductive, non-insulating material typically used to mount a component to a heat sink and offering low thermal resistance as well as high adhesion. *Trantherm®* materials do not require thermal grease. Since greased mica, and other two-component systems do require thermal grease, using *Trantherm* materials can lead to dramatic production cost reductions and improved product uniformity eliminating messy grease mica application, contamination, mica cracking, silicone migration and drying out.

Product Data

Physical Properties:		
Color		White/Silver
Thickness, inches	ASTM D 149	.004 +/- .0005
Micrometers		.1 ± .015
Binder		Acrylic
Reinforcement		Aluminum
Specific Gravity, g/cm ³		2.0
Peel Strength from steel plate, lb./inch		1.4
N/m		250
Shear Strength, PSI	ASTM D1002	120
KPa		840
Shear after solder float, PSI	ASTM D1002	160
KPa	288°C for 20 seconds	1120
Peel from liner, g/inch		25
N/m		10

Thermal Properties:		
Thermal Conductivity, W/m-K	ASTM 5470	.90
Thermal Resistance, T0-3, Cin ² /W		.30
Continuous Use Temperature, °C	MIL-I-49546A	-40/+150

Shelf Life

Shelf life is in excess of one year when stored at room temperature.

Available Forms

Trantherm® thermal management material is available in Roll Form with or without adhesive on 3 inch cores in width multiples utilizing a full 36 inch width, Sheet Form, Standard and Special Configurations.

Specifications

The properties shown are typical values only, and should not be used as the basis for preparing specifications. Contact Brady for assistance in preparation of specifications for your specific application.

Safety Precautions

Material Safety Data Sheets (MSDS) defining the known hazards and describing safety precautions appropriate for this product are available upon request.

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