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THERMOPLASTIC FILM
TP8205

Tacky
Pressure Sensitive
Electrically Conductive
Non Curing
Film Adhesive

IDEAL FOR:

- Component Attach
- Heat Sink Attach
- Substrate Attach

DESCRIPTION:

TP8205 is a silver filled, low bond strength thermoplastic film adhesive. It is designed for bonding heat sink, component, and substrate. It is electrically and thermally conductive.

AVAILABILITY:

TP8205 is available in sheet sizes or as custom preforms. Standard thicknesses are 0.004" and 0.006". Special thicknesses are available. TP8205 can be obtained in liquid form (LTP8205). This product is fiberglass reinforced.

APPLICATION PROCEDURES:

- (1) Cut or pre-cut to desired size.
- (2) Remove one side of release paper from adhesive.
- (3) Place on substrate or component with rolling finger pressure, then remove the other release paper.
- (4) Place component on substrate with insertion pressure of 15 psi or more.

TYPICAL PROPERTIES*

Electrical Resistivity (25 °C/1 minute)	<5x10 ⁻² ohm-cm
Dielectric Strength (Volts/mil)	N/A
Glass Transition Temp.(°C)	-25
Lap-Shear Strength	>100 psi >0.69 N/mm ²
Device Push-off Strength	200 psi 1.4 N/mm ²
Cured Density (gm/cc)	3.0
Hardness (Type)	<40 (A)
Thermal Conductivity	40 Btu-in/hr-ft ² -°F 5.7 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	110
Tensile Modulus:	
Maximum Continuous Operation Temp. (°C)	150

* Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is intended to be used in manufacturing and in the final product.

CURE SCHEDULES:

<u>Temperature</u>	<u>Time</u>	<u>Pressure</u>
None		

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	1 yr

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