



300-01

**ANISOTROPIC ELECTRICALLY CONDUCTIVE
DOUBLE-SIDED PRESSURE SENSITIVE TAPE**

DESCRIPTION: 300-01 is a double-sided pressure sensitive tape, which has a nominal thickness of 0.008". This product is anisotropically conductive on one side. An added feature of this tape is a metal foil support film under the conductive adhesive, which acts to transmit electricity down the length of the tape. The acrylic pressure sensitive adhesive system offers excellent initial tack and bond strength, and is heat resistant to over 100°C.

CONSTRUCTION: (without liner)

- 0.002" (0.05 mm) Acrylic Pressure Sensitive Adhesive(PSA)
- 0.003" (0.076mm) Polyester film
- 0.0013" (0.032 mm) Copper foil
- 0.002" (0.05 mm) Anisotropically conductive acrylic PSA

FILLER: Silver

RELEASE LINER: 0.004" (0.10 mm) 80# silicone coated densified kraft

TYPICAL PROPERTIES:

Property	Value	Test Method
Peel Adhesion		
- Non-conductive PSA	110 oz./inch width - 20 minute residence	PSTC-1
- Conductive PSA	50 oz./inch width - 20 minute residence	PSTC-1
Shear Strength		
- Non-conductive PSA	100+ hours - ½" x ½" x 1000 g	PSTC-7
- Conductive PSA	100+ hours - ½" x ½" x 1000 g	PSTC-7
Volume Resistivity (Ω-cm)		
- x, y axis	1 x 10 ¹²	-
- z-axis	0.0001	-
Operating Temperature Range (°C)	- 40 – 100	-

STORAGE: Shelf life: one year from date of shipment if stored at 25°C and 50% RH

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either implied or expressed with respect to results or possible infringements on patents.

REVISION DATE: 2/14/11 REVISION: A