3M™ Electrically Conductive Adhesive Transfer Tape 9703

Part Number 9703

Overview

Specifications

Details

Resources









View Images

- Low outgassing acrylic adhesive
- Anisotropic Z-axis electrical conductivity
- PSA tack properties
- Thermal curing not required

View all details

View Legal Disclaimer

Specifications

Adhesive Thickness (metric)	50 Micron
Adhesive Type	Conductive Acrylic
Application Category	Bonding , EMI/EMC Applications
Applications	Antenna Bonding (with Grounding) , EMI Shielding (with Grounding) , Flex Bonding , Flex Bonding (with Grounding) , Flex Stiffener Bonding (with Grounding) , Grounding , Metal to Metal Bonding (with Grounding) , Static Dissipation
Connection Type	Flex to Flex , Flex to LCD , Flex to PCB
Length	36 Linear Yard
Liner Thickness (metric)	100 Micron
Liner Type	Silicone Treated Polycoated Kraft Paper (PCK)
Product Form	Roll
Product Series	9703
Shelf Life	24 Months @ 21 Degree C and 50% RH
Total Tape Thickness without Liner (Imperial)	2 mil

Total Tape Thickness without Liner (Metric)	**0.05 mm**

Details

- Low outgassing acrylic adhesive
- Anisotropic Z-axis electrical conductivity
- PSA tack properties
- Thermal curing not required
- Easy to use in assembly operations
- Can be applied as die-cut parts or in roll form

3M™ ECATT 9703 is a pressure sensitive adhesive (PSA) transfer tape with anisotropic electrical conductivity. PSA matrix is filled with silver particles enabling interconnections through adhesive thickness (the Z-axis) between substrates.

Additional Information
Tape 9703 electrically connects and mechanically bonds medium pitch flexible circuits with other flexible circuits (flex), rigid printed circuit boards (PCB) or LCD screens. Electrically conductive tape 9703 offers good adhesion to common PCB substrates such as copper, gold, FR-4 epoxy, polyimide and polyester films. Stable electrical performance in any flexible circuit interconnection application may require mechanical reinforcement (clamping).

Resources

Articles

ECN Reprint on Thermal Management "No more Silos...." (PDF, 199.5KB)

EPT Article Reprint - EMI (PDF, 2.4MB)

Mobile Dev & Design Reprint-Keep in "Touch" with EMI Solutions (PDF, 390.2KB)

An Island-based EMI Solution Guide for Mobile Hand Held Devices (PDF, 378.6KB)

Brochures

3M™ EMI EMC Solutions Brochure (PDF, 249.3KB)

Data Sheets

3M™ Electrically Conductive Adhesive Transfer Tape 9703 (PDF, 148.5KB)

Selection of Grounding, EMI Shielding & Attachment 3M™ ECATT (PDF, 296.9KB)

Legal Disclaimer

Product Disclaimer
- The technical information and data shown on this page should be considered representative or typical only and should not be used for specification purposes.
- 3M products shown on this website may not be available in all geographic regions or may not be available at this time. Please contact your local sales representative to determine product availability.

Legal | Privacy | DMCA
© 3M 2018. All Rights Reserved.

The brands listed above are trademarks of 3M.