



# TapeCase

— EST. 1972 —

*Custom Adhesive Solutions, Case by Case*



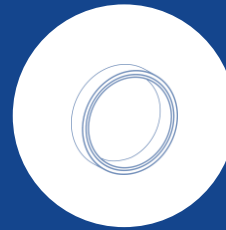
# Company Overview



Established 1972



Located in  
Elk Grove Village, IL



Wholesale  
Converted  
Tapes



ISO 9001:2015  
Certified



# TapeCase Distributor Service Model

01.

## Custom Solutions for Multiple 3M Product Needs

Sizes, Configurations, Low Minimums, Custom Packaging, Private Branding

02.

## Over 1000 3M Tapes In Stock!

In Stock Standard SKUS, Fast Quotes & Short Lead Times

03.

## Over 50 Pieces of Converting Equipment

Jumbo Inputs, Slitting, Rewinding, Die Cutting, Prototyping, Production Runs, Printing

04.

## Engineering Support

Let our tape experts be your resource to navigate your custom needs

# Where are Custom Tapes Commonly Found?

## Improve the usage of a desired tape:

- Purchase your tape in any size or shape
- Eliminate hand cutting of the tapes used in your attaching or masking processes
- We can make tape easier to use by adding pull tabs, extended liners and creating “installation kits” to help you reduce waste and better track supply usage

## TapeCase products can lead to real Cost Savings:

- Reduce Labor manually handling and manipulation of tapes
- Quality increase q/c approvals based on accuracy of parts
- Waste elimination of material waste

## Who can we help?

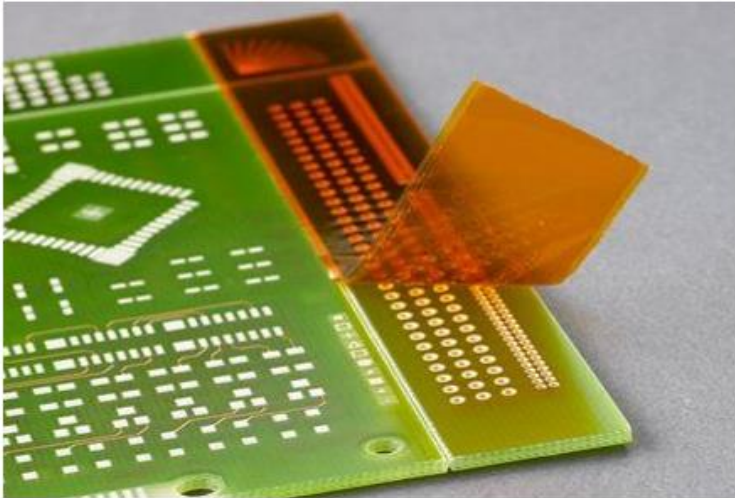
- Heavy MFG OEM's: Tape Shapes VHB Cut to Length Strips, Bump/Squeak Rattle Reduction
- Metal Fabrication: Green Powder Coating Tape, Surface Protection Tape
- Electronics MFG: Thermal Management, EMI/RFI Shielding, Gaskets, Waterproofing



# Top Products

## Electronic Component Tapes

- Thermal Management Pads/Tapes
- EMI/RFI Shielding
- Water Contact Indicator
- Insulating Kapton & Polyimide



## Specialty Tapes

- Conspicuity/Reflective Tapes
- Foil Tapes: Aluminum, Copper, Lead
- Polyester Silicone Splicing Tapes
- Reclosable Fasteners



## Gaskets Materials

- 3M EAR Foams
- Rogers Poron & Bisco Foams
- Closed & Open Cell Polyurethanes
- Vinyl Foams





# Top Products

## Bonding Tapes

- Adhesive Transfer
- Double Coated Film and Foam
- VHB

## Masking Tapes

- High Temperature Processes
- Powder Coating Processes
- Chemical Masking Processes

## Slick Surface Tapes

- UHMW
- PTFE Film
- PTFE Fabric



# Formats Available

## Non-Standard Slit Rolls

- Customer Specified Roll widths
- 0.125" to 60" (depending on MFG specs)
- Eliminates customer "doubling up" or hand cutting



Slitting

## Custom Shape Die Cuts

- Increases application speed
- 100% Consistency in machine cut tape shapes
- Increases daily widget processing



Rotary Die Cutting



Flatbed Die Cutting

## Short Length Rolls

- Increases ability to manage usage
- Eliminates theft or loss of unused yardage
- Reduce spend & Increase Volume per SKU



CUSTOM LENGTH REWINDING

# Electronic Component and Device Assembly Applications

## Applications

- Bonding, Attaching and Mounting
  - Adhesive tapes allow for more precise application areas over liquid adhesives and are available in a variety of thicknesses and adhesive chemistries for all surface needs
- Protective Bumpers
  - 3M Bumpons! 3M Bumpons create space within electronics and the surfaces they come in contact with to reduce vibrations/noise
- Gasketing and Sealing
  - Critical assembly components of electronics that are often paired with an adhesive to insulate the interior of a device.



**3M Adhesive Transfer Tapes**  
For thin bonding/attaching



**3M Double Sided Tapes**  
For thin bonding/attaching with added stability



**3M VHB Tapes**  
For advanced bonding/attaching that creates a shock absorbent, waterproof seal

Applications/Surfaces		Thickness	Description
<b>Adhesive Transfer Tapes</b>			
3M 467MP	General Joining/Bonding; High Temperature	2 Mil	High Performance Acrylic Adhesive
3M 468MP	General Joining/Bonding; High Temperature	5 Mil	High Performance Acrylic Adhesive
3M F9473PC	Industrial Joining and Metal Fabrication	10 Mil	High Temperature Acrylic Adhesive
3M 9472LE	Bonds to Powder Coated Surfaces and LSE Plastics	5 Mil	Low Surface Energy Acrylic Adhesive
<b>Double Side Tapes</b>			
3M 9088-200	Bonding that Requires High Adhesion and Transparency	7.9 Mil	Modified Acrylic Adhesive
3M 9495LE	Bonds to Powder Coated Surfaces and LSE Plastics	6.7 Mil	Low Surface Energy Acrylic Adhesive
3M 9495MP	Thermal and Sound Dampening Bonding	5.7 Mil	High Performance Acrylic Adhesive
3M 9629PC	Bonds to Powder Coated Surfaces and LSE Plastics	4 Mil	Quick Bond Acrylic Adhesive
<b>3M VHB Tapes</b>			
3M 5908	Adhesion to a Wide Range of Metals, Plastics and LSE Plastics	10 Mil	Modified Acrylic Adhesive
3M GPH VHB	High or Medium Surface Energy Substrates Including Metals	24 Mil	High Temperature Acrylic Adhesive
3M 5925	Adhesion to Painted Metals Including Powder Coating	25 Mil	Modified Acrylic Adhesive
3M 4941	Adhesion to Painted Metals	45 Mil	Multi-Purpose Acrylic



3M Product Series	Thickness	Color	Adhesive
3M SJ5808	0.125"	Black	Natural Rubber
3M SJ5816	0.062"	Black	Natural Rubber
3M SJ5832	0.032"	Black	Natural Rubber
3M SJ5616	0.062"	Clear	Acrylic
3M SJ5632	0.032"	Clear	Acrylic



# Electronic Component and Device Fabrication Applications

## Applications

- Masking Applications
  - Specialty polyester and polyimide (Kapton) tapes to protect surfaces from extreme painting/finishing processes including plating, chemical coating and soldering
- Anti-Static / ESD Materials
  - Utility tapes specially formulated to perform in conditions where static control is required.
  - Anti-static masking tapes offering extremely low electrostatic discharge used for printed circuit board masking applications and component packaging to reduce/eliminate static discharge



Product Series	Color	Backing Thickness	Total Thickness	Adhesive	Temperature Resistance	Key Features
TC571	Pink	1.0 Mil	2.5 Mil	Silicone	Up to 428°F	• Chemical resistant • Conformable backing • Tear and puncture resistant • Thick adhesive reduces undercutting • Residue free removal
M803	Blue		3.0 Mil		Up to 350°F	
TC577	Red		3.0 Mil		Up to 350°F	
TC818	Clear	1.0 Mil	2.5 Mil	Silicone	Up to 350°F	• High Tack • Bonds quickly to silicone surfaces
TC573	Blue	1.0 Mil	2.5 Mil	Silicone	Up to 400°F	• High temperature silicone adhesive • Bonds to low energy surface • High Tack
M	Green	2.0 Mil	3.3 Mil	Silicone	Up to 400°F	• High temperature silicone adhesive • Withstands 400 degrees F baking cycles • Residue free removal
TC4150	Yellow	1.0 Mil	2.9 Mil	Silicone	Up to 400°F	• High temperature silicone adhesive • Ultra high tack • Chemical resistant
3M 1280	Red	0.9 Mil	3.6 Mil	Silicone & Rubber	-40°F to 311°F	• Low stretch backing • Thick adhesive reduces undercutting • 3M 1280 Halogen Free
3M 851	Green					



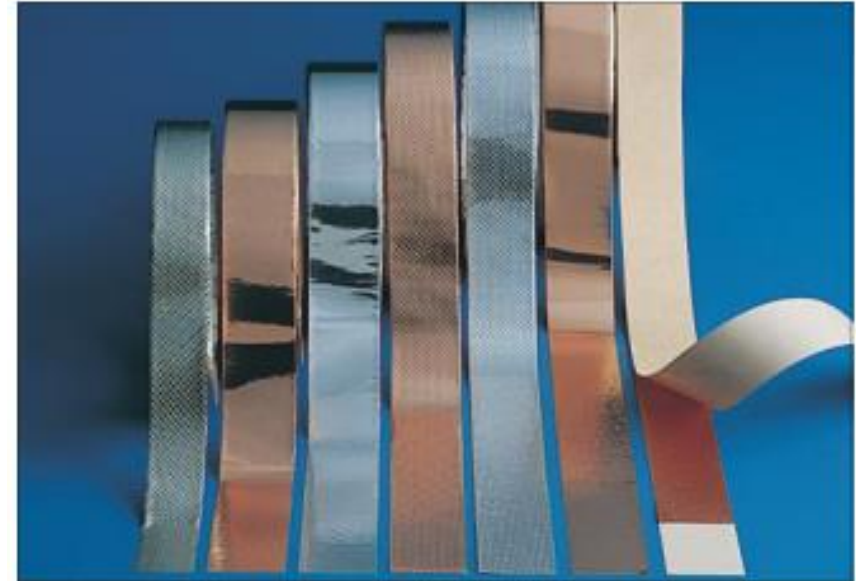
Product Series	Backing Material	Thickness	Adhesive
3M 40PR	Polyester	2.2 Mil	Acrylic
3M 40	Polyester	2.2 Mil	Acrylic
3M 5419	Low Static Polyimide	2.7 Mil	Silicone
3M 5433	Low Static Polyimide	2.7 Mil	Silicone
BL	Low Static Polyimide	2.5 Mil	Silicone

Product Series	Backing Material	Backing Thickness	Total Thickness	Adhesive	Temperature Resistance	Key Features
B	Polyimide	1.0 Mil	2.5 Mil	Silicone	Up to 500°F	• High temperature stability • Conformable backing • Tear and puncture resistant • Residue free removal
BL	Low Static Polyimide	1.0 Mil	2.5 Mil	Silicone	Up to 500°F	• Minimizes the effect of static during stripping and peeling
BA	Polyimide	1.0 Mil	2.5 Mil	Acrylic	Up to 302°F	• Non-silicone adhesive • Excellent solvent resistance

# Electronic Component and Device Functionality Applications

## Applications

- EMI/RFI Shielding and Grounding
  - Ground and protect electronics from other devices and signals
- EMI/RFI Absorbing
  - Helps suppress noise in electronics resulting from radio frequencies
- High Temperature Insulating
  - Helps keep all interior components at peak performance.



TapeCase Series	Backing	Thickness	Adhesive	Temperature Resistance
B Series	Polyimide	2.5 Mil	Silicone	Up to 500°F
BA Series	Polyimide	2.5 Mil	Acrylic	Up to 350°F
BL Series	Low Static Polyimide	2.6 Mil	Silicone	Up to 365°F
3M 5413	Kapton®	2.7 Mil	Silicone	Up to 500°F
3M 5419	Low Static Polyimide	2.7 Mil	Silicone	Up to 500°F
2B Series	Polyimide	3.5 Mil	Silicone	Up to 500°F

Backing		Adhesive	Thickness
<b>EMI/RFI Shielding Tapes</b>			
3M 1170	Aluminum Foil	Conductive Acrylic	3.2 Mil
3M 1126	Copper	Conductive Acrylic	3.5 Mil
3M 1183	Tin-Plated Copper	Conductive Acrylic	2.6 Mil
3M 1267	Embossed Aluminum	Non-Conductive Acrylic	5 Mil
3M 1245	Embossed Copper	Non-Conductive Acrylic	4 Mil
3M 1345	Embossed Tin-Plated Copper	Non-Conductive Acrylic	4 Mil
<b>Absorbers (All Halogen Free)</b>			
3M AB5010HF	Polymeric Resin w/Magnetic Metal Flake Filler	Non-Conductive Acrylic	10 Mil
3M AB5020HF	Polymeric Resin w/Magnetic Metal Flake Filler	Non-Conductive Acrylic	20 Mil
3M AB5030HF	Polymeric Resin w/Magnetic Metal Flake Filler	Non-Conductive Acrylic	30 Mil
3M AB5050HF	Polymeric Resin w/Magnetic Metal Flake Filler	Non-Conductive Acrylic	50 Mil

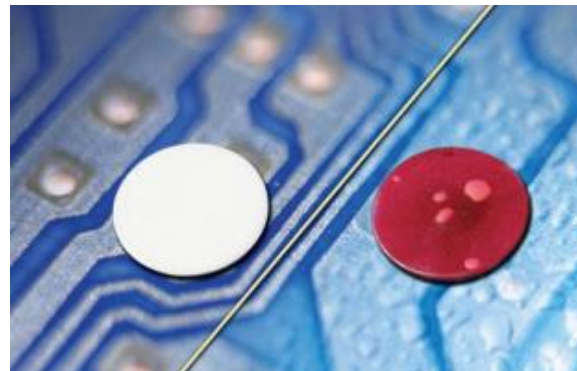
# Electronic Component and Device Protection Applications

## Applications

- Labels
  - We offer a wide range of durable labels to identify, brand and detail liability information on devices
- Surface Protection
  - Delicate electronics require protection both during and after production as well as in use.
- Water Contact Indicators
  - Help warranty claims by having a built in, cost effective way to tell if a device has been submerged in water.



3M Product Series	Description	Thickness	Stock Size Range
3M 5557	General Purpose w/High Humidity Resistance	10.2 Mil	2mm – 5mm Circles and Squares
3M 5558	Ultra-Thin for Tight Design Tolerances	6 Mil	2mm – 5mm Circles and Squares
3M 5559	Ultra-Thin w/Best Indicating Speed	5 Mil	2mm – 5mm Circles and Squares
3M 5559i	Ultra-Thin Top Side Adhesive for Transparent Applications	5 Mil	2mm – 5mm Circles and Squares





# Electronic Component and Device Protection Applications

## Applications

- Thermal Management Tape/Pads
  - A clean solution to help manage heat and improve long term performance of devices

## Key Benefits:

### Thermal conductivity



Effective transfer of heat from components to cooling devices and systems

### Conformability



The flexibility to place materials with precision and channel heat even in tight spaces

### Dielectric strength



Peace of mind that your materials will perform as intended without electrical interference or breakdown in insulating properties

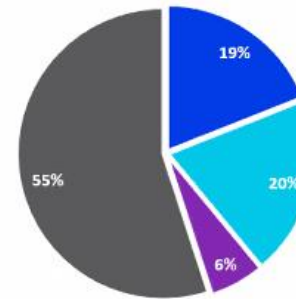
### Efficiency



Helps in effective control of heat without adding bulk to your designs or complexity to your manufacturing processes

Major Causes of Electronic Failure  
(% of Occurrences)

■ Humidity ■ Vibration ■ Dust ■ Temperature



Types of Tape	Base Material	Filler	Adhesive	Thickness
<b>Thermally Conductive Adhesive Transfer Tapes</b>				
3M 8805	Filled Acrylic	Ceramic	Acrylic	5 Mil
3M 8810	Filled Acrylic	Ceramic	Acrylic	10 Mil
3M 8815	Filled Acrylic	Ceramic	Acrylic	15 Mil
<b>Thermally Conductive Interface Pads</b>				
3M 5590H-01	Filled Acrylic Polymer	Ceramic	No Added Adhesive	40 Mil
3M 5590H-05	Filled Acrylic Polymer	Ceramic	No Added Adhesive	20 Mil
3M 8926-02	Filled Acrylic Polymer w/PET Carrier	Ceramic	Soft Acrylic	8 Mil
3M 8926-05	Filled Acrylic Polymer w/PET Carrier	Ceramic	Soft Acrylic	20 Mil



# Why Converted Tapes?

They are specialty products that increase efficiencies



## Benefits of Converted Tapes

- Sized for VMI Programs
- Decreased Waste
- Increase Ease of Application
- Minimal Handling
- Reduced Labor Hours on Assembly
- Superior Accuracy of Cut Parts
- Unlimited Sizes/Configurations



## Converted Tape Applications

- Assembly/Manufacturing
- Bonding/Attaching
- Bump, Squeak and Rattle Reduction
- EMI/RFI Shielding
- Fine Line/Precision Masking
- Product Protection
- Specialty Packaging Needs