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At 3M, we discover and innovate in nearly every industry to help solve problems around the world.

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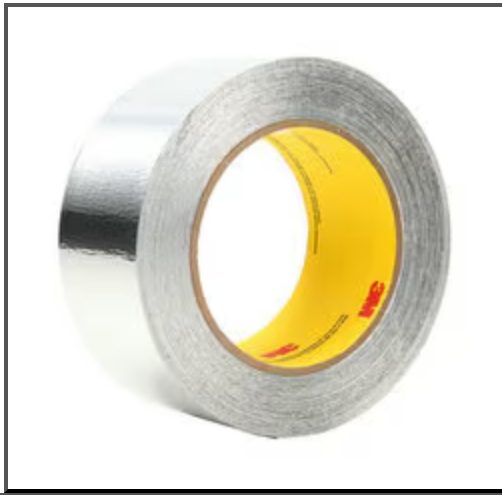
3M™ Aluminum Foil Tape 425, Silver, 2 in x 60 yd, 4.6 mil, 24 Roll/Case

Part Number 425, 3M Product Number 425, 3M ID 7100053630, UPC 00051125853118

★★★★★ 4.0 (4)



Hover over image to zoom in




Change options

Backing (Carrier) Thickness (Imperial)	2.8 mil
Overall Width (Metric)	5.1 cm
Overall Width (Imperial)	2 in
Backing (Carrier) Thickness (Metric)	0.07 mm
Adhesive Type	Acrylic

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Frequently viewed resources

 [Tech Data Sheet \(PDF, 97KB\)](#)

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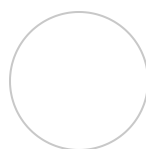
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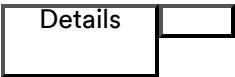
Highlights

- Thermally conductive tape helps dissipate heat and improves heating and cooling efficiency to protect temperature sensitive materials
- Resistant to chemicals to protect surfaces during de-paint process and other chemical masking operations
- Highly engineered acrylic adhesive provides long term durability, but removes cleanly after harsh masking applications
- Withstands exposure to flame, weathering, moisture and UV
- Heat and light reflective tape protects surfaces and enhances lighting efficiency
- Dead soft aluminum foil backing conforms to curved and uneven surfaces
- Recognized by UL to UL 746C and Classified by UL to UL 723, Class "L" for low flammability rating

3M™ Aluminum Foil Tape 425 is the go-to foil tape for numerous applications across a broad range of industries. Comprised of a dead soft aluminum foil backing and coated with a highly engineered pressure sensitive acrylic adhesive, it is ideal for heat shielding, heat reflecting, chemical masking, light enhancement, chemical milling, seaming, sealing and de-paint operations.

Withstands Exposure to High Heat and Humidity Consisting of a dead soft, thermally conductive aluminum backing, 3M™ Aluminum Foil Tape 425 dissipates heat over the surface of the tape to reduce hot spots and protect the substrate from the effects of high temperatures. Coated with our highly engineered acrylic adhesive, it is capable of withstanding exposure to high heat (up to 300°F/149°C) and humidity while maintaining a strong and reliable bond. This tape can withstand a variety of moisture, weathering, UV and solvents in order to provide an excellent work life, indoors or out. Recommended Applications • Heat shielding of delicate parts • Heat reflecting • Masking in chemical paint stripping applications • Moisture barrier • Light reflecting for light enhancement • Chemical milling • Seaming and sealing • Refrigerator and freezer coil attachment • Splicing of thin gauge foils • Plastic protection 3M™ Aluminum Foil Tape 425 is UL Recognized to UL 746C (File E 122798) and Classified by UL to UL 723 "L" for low flammability rating (File R 7311). It can be certified to meet L-T-80C and meets F.A.R 25.853(a). Temperature use range is from -65° to 300°F (-54° to 149°C).

Typical properties



Adhesive Type	Acrylic
Application	Painting, Stripping
Back Side Adhesive Thickness (Imperial)	1.8 mil
Back Side Adhesive Thickness (Metric)	0.05 mm
Backing (Carrier) Material	Aluminum Foil

Backing (Carrier) Thickness (Imperial)	2.8 mil
Backing (Carrier) Thickness (Metric)	0.07 mm
Backing Material	Aluminum Foil
Brands	3M™
Elongation at Break	6.0 %
Industries	Aerospace, Appliance, Automotive, Construction, Electronics, General Industrial, Metalworking, Military & Government, Specialty Vehicle, Transportation
Maximum Operating Temperature (Celsius)	149 °C
Maximum Operating Temperature (Fahrenheit)	300 °F
Minimum Operating Temperature (Celsius)	-54 °C
Minimum Operating Temperature (Fahrenheit)	-65 °F
Primary Liner	Easy Release Film
Product Color	Silver
Shelf Life	24 none
Smallest Saleable Unit	Roll
Specifications Met	FAR 25.853(a), L-T-80C, SAE-AMS-T-23397

Tensile Strength (Imperial)	28.0 lb/in
Tensile Strength (Metric)	490 N/100mm
Total Tape Thickness without Liner (Imperial)	4.6 mil
Total Tape Thickness without Liner (Metric)	0.12 mm

Dimensions and Classifications

Overall Length (Imperial)	60 yd
Overall Length (Metric)	54.86 m
Overall Width (Imperial)	2 in
Overall Width (Metric)	5.1 cm

Resources

Data Sheets (1)

Catalogs (1)

Flyers (3)

Product Selection Guides (2)

Sales Guides (1)



Data Sheets
(PDF , 97KB)

Reviews

Reviews

Rating Snapshot

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2 stars	<div></div>	0
1 star	<div></div>	1

Overall Rating

4.0  4 Reviews

Review this Product



Adding a review will require a valid email for verification

Average Customer Ratings


Quality of Product

4.0


Value of Product

4.0

Filter Reviews

Rating 

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Radiant Heat Barrier

Abanks

3 months ago

I've been buying this stuff for years, does and excellent job as a thermal barrier to keep radiant engine heat from affecting intake air temperatures. It also doubles as wax strips for hair removal, this stuff has some adherence to arm hair. Be careful

 Yes, I recommend this product.

Originally posted on [3M™ Aluminum Foil Tape 425](#)

Helpful?  (0)  (0) [Report](#)

Quality of Product

5.0

Value of Product

5.0

 36




The product adhesion is terrible

Gaurav

4 years ago

I bought this tape 5 months ago but the quality of this product is terrible. It costed me 50USD. The adhesion of the product is not good at all. I was using 2 USD tape earlier which was showing better performance. I hope to get some sort of refund or a good alternate for the same.

 No, I do not recommend this product.

Originally posted on 3M™ Aluminum Foil Tape 425

Helpful?  (1)  (23) Report

Quality of Product

1.0

Value of Product

1.0



Everyday I'm Speed Taping

SpeedTapeIsTheBest

4 years ago

Speed tape brings me daily joy. Is there some composite showing on a flap canoe? Time for speed tape. Is there a tray table broken? Time for speed tape! No time to fix it? Bring out the speed tape right now! Time to defer it.

☒ Yes, I recommend this product.

Originally posted on 3M™ Aluminum Foil Tape 425

Helpful?  (29)  (0) Report

Quality of Product

5.0

Value of Product

5.0



Held our airplane together for hours

Skyflier

6 years ago

Used this when the wing fell off.taped it back on. Worked great

☒ Yes, I recommend this product.

Originally posted on 3M™ Aluminum Foil Tape 425

Helpful?  (38)  (4) Report

Quality of Product

5.0

Value of Product

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Ask a 3M Expert

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All fields are required unless indicated optional.

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▼ 201-555-0123

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