

3M™ Metal Foil Tapes

Choice of High Performance Foil Tapes

With a choice of conformable backings and adhesives, this line of tapes meets demanding applications in Aerospace, Appliance, Transportation, Construction, Automotive, and MRO (Maintenance and Repair) segments.

3M™ Aluminum Foil Tapes

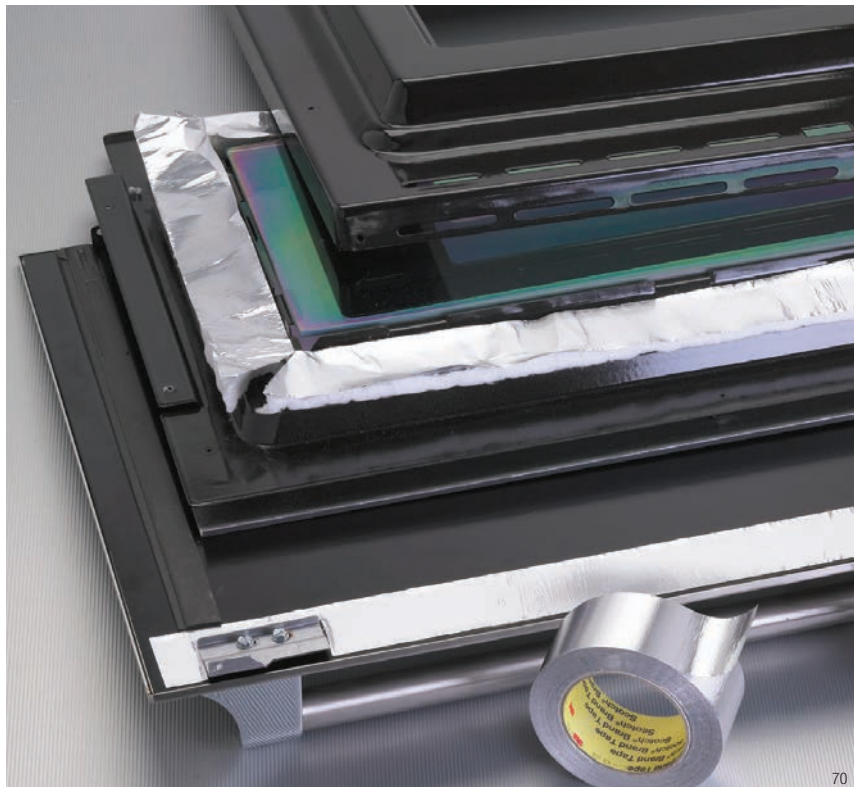
- Resist flame, moisture, weather, UV degradation and most chemicals
- Thermally conductive for heating and cooling efficiency
- Heat and light reflective

3M™ Aluminum Foil Reinforced Tapes

- Flexible flame-resistant wrap for wires and hoses
- Long wearing, tear and puncture resistant
- Flame and heat resistant

3M™ Lead Foil Tapes

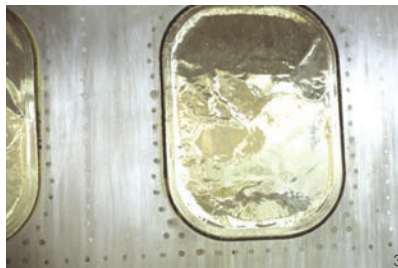
- Electrically conductive
- Acid resistant for plating masking
- Radiopaque for X-ray markers



3M™ Aluminum Foil Tape bonds on contact as heat shielding inside an oven door. Helps keep the exterior cool to the touch behind the handle and around the window perimeter.



With aggressive adhesive and dead soft aluminum, Scotch® Foil Tape 3311 seals and secures seams and joints for long-term durability. UL 723 classified for duct sealing and general repairs.



With conformability and chemical resistance, 3M™ Aluminum Foil Tapes used to protect aircraft windows during paint stripping using harsh chemicals.



With high heat reflectivity and thermal conductivity, 3M™ Aluminum Foil Tapes protect heat-sensitive components near lights in a garage door opener housing.



3M™ FSK Facing Tape 3320 is engineered specifically as a vapor retardant tape to seal mineral wool foil-faced insulation, bare sheet metal ducts and blanket style fiberglass duct insulation.



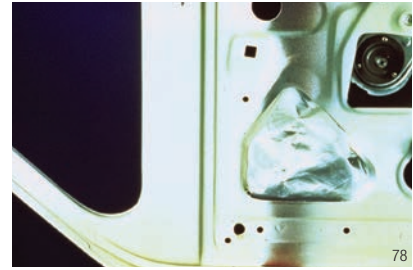
Tear-resistant 3M™ Reinforced Aluminum Foil Tape 363 bundles wire harnesses and helps protect wires, cables, and other flexible parts from heat.



Conformable 3M™ Aluminum Foil Tape securely holds copper cooling tubes to refrigerator panels. Thermal conductivity helps maximize cooling efficiency.



To seal fiberglass duct board and flexible duct systems, Scotch® Foil Tape 3340 meets the performance requirements for UL 181A-P and UL 181B-FX.



Applied over holes and cavities in the interior of a car or truck door panel, 3M™ Aluminum Foil Tape seals out moisture and dust.

3M™ Metal Foil Tapes

Product Number	Color	Adhesive Type	Backing Material	Backing Thickness mils (mm)	Liner Thickness mils (mm)	Liner Type	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lb./in. (N/100 mm)	Elongation at Break %	Meets Specifications	Temperature Range °F (°C)	Comments
ASTM Test Method				D-3652			D-3652	D-3330	D-3759	D-3759			
Premium Performance													
425	Silver	Acrylic	Aluminum Foil	2.8 (0.07)	—	—	4.6 (0.12)	47 (51)	28 (490)	6	F.A.R. 25.853(a); SAE AMS T-23397; UL 723; UL 746C; LT-80 C	-65 to 300 (-54 to 149)	Most versatile aluminum tape.
427	Silver	Acrylic	Aluminum Foil	2.8 (0.07)	3.1 (0.08)	Easy Release Film	4.6 (0.12)	50 (55)	28 (490)	6	F.A.R. 25.853(a); UL 723; UL 746C; LT-80 C	-65 to 300 (-54 to 149)	Lined version of 425.
431	Silver	Acrylic	Aluminum Foil	1.9 (0.05)	—	—	3.1 (0.08)	34 (37.3)	17 (302)	3	F.A.R. 25.853(a)	-65 to 300 (-54 to 149)	Conformable aluminum tape.
433	Silver	Silicone	Aluminum Foil	2.0 (0.05)	—	—	3.6 (0.09)	40 (43.8)	20 (350)	3.5	F.A.R. 25.853(a); US Gov A-A-59258	-65 to 600 (-54 to 316)	Silicone adhesive for high temperature resistance. Smooth, easy unwind, clean, straight edges with minimal wrinkling.
433L	Silver	Silicone	Aluminum Foil	2.0 (0.05)	3.2 (0.08)	Easy Release Film	3.5 (0.09)	38 (42.0)	20 (350)	3.5	F.A.R. 25.853(a)	-65 to 600 (-40 to 316)	Lined version of 433.
437	Silver	Acrylic	Aluminum Foil	2.8 (0.07)	4.2 (0.11)	Easy Release Film	8.0 (0.20)	150 (164)	30 (525)	8	—	-40 to 212 (-40 to 100)	Dead-soft aluminum foil tape.
438	Silver	Acrylic	Aluminum Foil	5.0 (0.13)	—	—	7.2 (0.18)	43 (47)	59 (1033)	10	F.A.R. 25.853(a)	-65 to 300 (-54 to 149)	Thickest non-reinforced aluminum tape for heat resistance. Smooth, easy unwind, clean, straight edges with minimal wrinkling.
438L	Silver	Acrylic	Aluminum Foil	5.0 (0.13)	2.5 (0.06)	Easy Release Film	7.2 (0.18)	43 (47)	59 (1033)	10	F.A.R. 25.853(a)	-65 to 300 (-54 to 149)	
439	Silver	Acrylic	Aluminum Foil	1.9 (0.05)	5.7 (0.14)	Kraft Paper with Silicone Release	3.1 (0.08)	34 (37.3)	17 (302)	3	F.A.R. 25.853(a)	-65 to 300 (-54 to 149)	Lined version of 431.
3338	Silver	Acrylic	Aluminum Foil	5.0 (0.13)	5.0 (0.13)	Polycoated Kraft Paper Release	7.0 (0.18)	45 (49)	50 (876)	21	—	-65 to 300 (-54 to 149)	66 lb. moisture stable liner.
33801	Silver	Acrylic	Aluminum Foil	2.0 (0.05)	5.0 (0.13)	Polycoated Kraft Paper	4.0 (0.10)	40 (43.8)	20 (350)	5	UL 723	-30 to 425 (-34 to 218)	High temperature acrylic adhesive.
33806	Silver	Acrylic	Aluminum Foil	3.0 (0.076)	5.2 (0.13)	Polycoated Kraft Paper	5.0 (0.13)	95 (105)	30 (525)	6	—	-40 to 425 (-40 to 218)	High temperature acrylic adhesive.

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3M™ Metal Foil Tapes (cont.)

Product Number	Color	Adhesive Type	Backing Material	Backing Thickness mils (mm)	Liner Thickness mils (mm)	Liner Type	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lb./in. (N/100 mm)	Elongation at Break %	Meets Specifications	Temperature Range °F (°C)	Comments
ASTM Test Method		D-3652			D-3652		D-3652	D-3330	D-3759	D-3759			
General Purpose													
3311*	Silver	Rubber	Aluminum Foil	2.0 (0.05)	2.0 (0.05)	Paper	3.6 (0.09)	90 (98)	17 (298)	3	UL 723	-10 to 180 (-23 to 82)	Designed for maximum adhesion over clean, dry surfaces.
3369	Silver	Acrylic	Aluminum Foil	1.1 (0.028)	3.2 (0.08)	Polycoated Natural Kraft Paper	2.4 (0.06)	58 (64)	11 (197)	2	UL 723	-40 to 250 (-40 to 121)	Thinnest aluminum foil tape.
33803	Silver	Rubber	Aluminum Foil	1.8 (0.05)	3.6 (0.09)	Polycoated Kraft Paper	3.6 (0.09)	90 (99)	15 (263)	4	UL 723	0 to 175 (-18 to 79)	Highest tack rubber adhesive.
97065	Silver	Acrylic	Aluminum Foil	1.8 (0.05)	5.2 (0.13)	Polycoated Kraft Paper	3.4 (0.09)	48 (53)	18 (315)	3	—	-40 to 250 (-40 to 121)	Good for die-cut applications.
3380	Silver	Acrylic	Aluminum Foil	2.0 (0.05)	3.2 (0.08)	Natural Kraft Paper	3.3 (0.08)	40 (43.8)	10 (175)	4	UL 723	-30 to 260 (-34 to 121)	Good for narrow slit rolls.
4380	Silver	Acrylic	Aluminum Foil	2.0 (0.05)	—	—	3.3 (0.08)	40 (43.8)	10 (175)	4	—	-30 to 300 (-34 to 149)	General purpose aluminum foil tape.
34383	Silver	Acrylic	Aluminum Foil	2.8 (0.07)	—	—	4.5 (0.11)	55 (61)	30 (542)	11	—	-40 to 300 (-40 to 149)	General purpose aluminum foil tape.
3363	Silver	Acrylic	Aluminum Foil	3.0 (0.08)	3.2 (0.08)	Polycoated Natural Kraft Paper	5.0 (0.13)	40 (43.8)	28 (490)	6	UL 723	-40 to 250 (-40 to 121)	Good for narrow slit rolls.
3367	Silver	Acrylic	Aluminum Foil	3.0 (0.08)	5.2 (0.13)	Polycoated Kraft Paper	4.4 (0.11)	48 (53)	30 (525)	6	UL 723	-40 to 250 (-40 to 121)	Good for die-cut applications.
Lead Foil													
420	Dark Silver	Rubber	Lead Foil	4.7 (0.12)	3.5 (0.09)	Easy Release Film	6.8 (0.17)	45 (49)	20 (350)	12	—	-60 to 225 (-51 to 107)	Lined plating tape.
421	Dark Silver	Rubber	Lead Foil	4.0 (0.10)	—	—	6.3 (0.16)	31 (34)	15 (263)	14	—	-60 to 225 (-51 to 107)	Self-wound plating tape.
34201	Dark Silver	Rubber	Lead Foil	5.0 (0.13)	5.3 (0.13)	Polycoated Natural Kraft Paper	6.3 (0.16)	50 (55)	20 (350)	5	—	0 to 180 (-18 to 82)	Removable rubber adhesive.
Copper Foil													
3313	Copper	Conductive Acrylic	Copper Foil	1.4 (0.04)	4.3 (0.11)	Glassine Paper	3.0 (0.08)	29 (32)	25 (444)	3	UL 510	-40 to 250 (-40 to 121)	EMI/RFI shielding.
3325	Copper	Acrylic	Copper Foil	1.5 (0.04)	5.0 (0.13)	Polycoated Natural Kraft Paper	3.0 (0.08)	40 (43.8)	28 (491)	10	UL 510	0 to 225 (-18 to 107)	EMI/RFI shielding.
33315	Copper	Acrylic	Copper Foil	1.5 (0.04)	5.0 (0.13)	Natural Kraft Paper	3.3 (0.08)	35 (39)	28 (491)	5	—	-30 to 300 (-34 to 149)	"Tinned", corrosion resistant.
33316	Copper	Conductive Acrylic	Copper Foil	1.5 (0.04)	4.0 (0.10)	Glassine Paper	3.0 (0.08)	30 (33)	33 (578)	6	UL 510	0 to 250 (-18 to 121)	"Tinned", corrosion resistant.
Stainless Steel Foil													
3361	Silver	Acrylic	Stainless Steel	2.0 (0.05)	4.6 (0.12)	Polycoated Kraft Paper	3.8 (0.10)	40 (43.8)	100 (1751)	40	—	-30 to 250 (-34 to 121)	Corrosion resistant.

*Scotch® Tape brand.

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3M™ Metal Foil Tapes (cont.)

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ASTM Test Method				D-3652			D-3652	D-3330	D-3759	D-3759			
Specialty and Reinforced Foils													
363	Silver	Silicone	Aluminum Foil Laminated to Glass Cloth	3.4 (0.086)	—	—	7.3 (0.19)	52 (57)	135 (2364)	7	F.A.R. 25.853(a)	-65 to 600 F (-54 to 316 C)	Aluminum foil/glass cloth. Highest temperature metal foil tape.
363L	Silver	Silicone	Aluminum Foil Laminated to Glass Cloth	3.4 (0.086)	3.0 (0.08)	Easy Release Film	7.3 (0.19)	52 (57)	135 (2364)	7	F.A.R. 25.853(a)	-65 to 600 F (-54 to 316 C)	Lined version of 363.
1430	Silver	Acrylic	Aluminum Foil Non-Woven Web	5.0 (0.13)	—	—	5.5 (0.14)	22 (24)	19 (333)	12	—	-65 to 300 F (-54 to 106 C)	Aluminum foil/non-woven laminate. Flexible wrapping tape.
3302	Silver	Conductive Acrylic	Aluminum Foil	2.0 (0.05)	4.3 (0.11)	Glassine Paper	3.5 (0.09)	30 (33)	19 (340)	3	UL 510	-40 to 250 F (-40 to 121 C)	Aluminum foil tape. EMI/RFI shielding.
3334	Silver	Acrylic	Aluminum Foil/Scrim/Polypropylene	5.4 (0.14)	3.5 (0.09)	Bleached Glassine Paper	6.9 (0.18)	31 (33.9)	25 (439)	7	—	-10 to 175 F (-23 to 79 C)	Works well in very cold and hot temperatures.
HVAC Construction													
3320	Silver	Acrylic	Aluminum Foil	6.0 (0.16)	4.0 (0.10)	Poly Coated Kraft	6.7 (0.17)	81 (89)	40 (712)	2	UL 723	-20 to 175 (-29 to 79)	Aluminum foil/scrim/laminate.
3340	Silver	Acrylic	Aluminum Foil	2.0 (0.05)	3.5 (0.09)	Paper	4.0 (0.10)	30 (33)	20 (350)	4	UL 181A-P; UL 181B-FX	-30 to 250 (-34 to 121)	Aluminum foil tape for use with rigid and flexible ducts.
3350	Silver	Acrylic	Silver Polypropylene Film	1.6 (0.04)	—	—	3.1 (0.08)	33 (36)	36 (631)	170	UL 181B-FX	-30 to 230 (-34 to 110)	Polypropylene tape for use with flexible ducts.
3380	Silver	Acrylic	Aluminum Foil	2.0 (0.05)	3.2 (0.08)	Natural Kraft Paper	3.3 (0.08)	40 (43.8)	10 (175)	4	UL 723	-30 to 260 (-34 to 121)	General purpose aluminum foil tape. Go-to product for this market.
3381	Silver	Acrylic	Aluminum Foil	1.4 (0.04)	3.2 (0.08)	Natural Kraft Paper	2.7 (0.07)	40 (43.8)	10 (180)	5	UL 723	-30 to 260 (-34 to 121)	Value grade aluminum foil tape.
3382	Silver	Acrylic	Aluminum Foil	2.5 (0.06)	5.2 (0.13)	PE Coated Kraft	4.2 (0.11)	50 (55)	30 (525)	25	—	-40 to 300 (-40 to 149)	Foil/PET laminate, tear resistance. Roof and gutter repair tape.

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