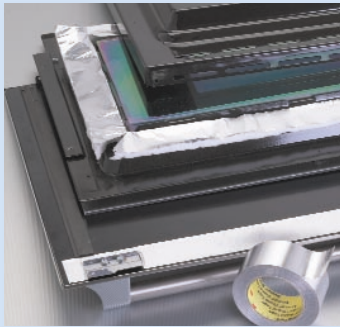


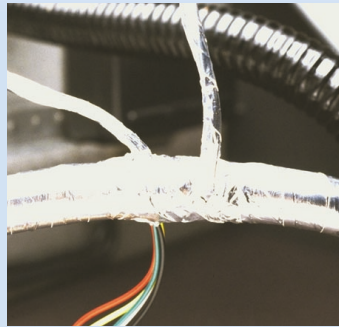


# Metal Foil Tapes

*Thermal conductivity, flame resistance, heat reflectivity, heavy duty masking, and more for tough duty applications*



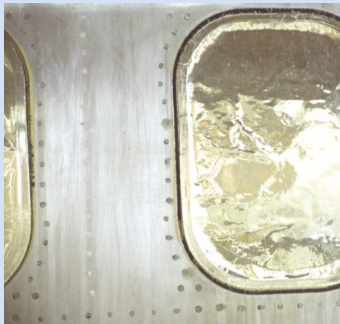
Heat shielding inside an oven door helps keep the exterior cool to the touch.



Tear and heat resistance helps protect wire harnesses and cables.



Secures and seals HVAC duct seams and joints. UL 723 Listed.



Protects aircraft windows during harsh chemical paint stripping.



Holds copper tubes to refrigerator panels for optimum cooling efficiency.

Heat shield

Light reflector

HVAC sealing

Moisture barrier

Paint stripping mask

Holding and patching indoors and outdoors

Hot or cold thermal conductivity

With a choice of conformable backings and adhesives, this line of specialty tapes meets demanding applications ranging from moisture seals in a truck door to reflectivity in a light fixture. The following are a few of the many performance properties of the line.

### 3M™ Aluminum Foil Tapes

- Resists 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

**Markets:** Aerospace, Transportation, Automotive, Construction, Appliance, MRO (Maintenance and Repair), and more...





Product	Tape Structure (Backing/Adhesive)	Backing Thickness mils (mm)	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lbs./in. (N/100 mm)	Elongation at Break %	Temperature Range °F (°C)	Comments
ASTM Test	Method:	D-3652	D-3652	D-3330	D-3759	D-3759		
<b>Premium Performance Aluminum Foil Tapes</b>								
425	Aluminum/Acrylic	2.8 (0.07)	4.6 (0.12)	47 (51)	30 (525)	8	-65 to 300°F (-54 to 149°C)	Most versatile aluminum tape. <sup>1,2,3,4</sup>
427	Aluminum/Acrylic	2.8 (0.07)	4.6 (0.12)	50 (55)	30 (525)	8	-65 to 300°F (-54 to 149°C)	Lined version 425 tape. <sup>2,3,4</sup>
431	Aluminum/Acrylic	1.9 (0.05)	3.1 (0.08)	41 (45)	19 (338)	5	-65 to 300°F (-54 to 149°C)	Conformable aluminum tape. <sup>3</sup>
433/L*	Aluminum/Silicone	2.0 (0.05)	3.6 (0.09)	40 (43.8)	20 (350)	3.5	-65 to 600°F (-54 to 316°C)	MIL-T-47014. <sup>3</sup> *Lined version available
438	Aluminum/Acrylic	5.0 (0.13)	7.2 (0.18)	43 (47)	59 (1033)	10	-65 to 300°F (-54 to 149°C)	Thickest aluminum tape. <sup>3</sup>
439	Aluminum/Acrylic	1.9 (0.05)	3.1 (0.08)	41 (45)	18 (315)	3	-65 to 300°F (-54 to 149°C)	Lined version 431 tape. <sup>3</sup>
<b>Aluminum Foil Reinforced Tapes</b>								
363	Aluminum/Glass Cloth/Silicone	3.4 (0.09)	7.3 (0.19)	67 (73)	135 (2364)	7	-65 to 600°F (-54 to 316°C)	Highest temperature metal tape. <sup>3</sup>
1430	Aluminum/Nonwoven/Acrylic	5.0 (0.13)	5.5 (0.14)	22 (24)	19 (333)	12	-65 to 300°F (-54 to 149°C)	Flexible wrapping tape.
<b>NEW HVAC &amp; Refrigeration Aluminum Foil Tapes</b>								
3311	Aluminum/Rubber	2.0 (0.05)	3.6 (0.09)	90 (98)	17 (298)	3	-10 to 180°F (-54 to 149°C)	UL 723 listed, lined.
3326	Aluminum/Acrylic	2.3 (0.06)	4.4 (0.11)	70 (77)	25 (438)	4	-20 to 250°F (-29 to 121°C)	UL 181A-P & 181B-FX listed, printed backing, lined.
<b>NEW General Use Aluminum Foil Tapes</b>								
4530/L*	Aluminum/Acrylic	1.2 (0.030)	2.3 (0.059)	30 (33)	11 (200)	6	-30 to 250°F (-34 to 121°C)	*Lined version available
4540/L*	Aluminum/Acrylic	1.6 (0.040)	2.7 (0.069)	33 (36)	17 (302)	8	-30 to 250°F (-34 to 121°C)	*Lined version available
4550/L*	Aluminum/Acrylic	2.1 (0.050)	3.1 (0.079)	32 (35)	20(352)	8	-30 to 250°F (-34 to 121°C)	*Lined version available
4560/L*	Aluminum/Acrylic	2.5 (0.060)	3.6 (0.091)	34 (38)	28(492)	12	-30 to 250°F (-34 to 121°C)	*Lined version available
<b>Lead Foil Tapes</b>								
420	Lead/Rubber	4.7 (0.12)	6.8 (0.17)	45 (49)	20 (350)	12	-60 to 225°F (-54 to 106°C)	Lined plating tape.
421	Lead/Rubber	4.0 (0.10)	6.3 (0.16)	31 (34)	15 (263)	14	-60 to 225°F (-54 to 106°C)	Unlined plating tape.

<sup>1</sup>Can be qualified to L-T-80B,MIL-T-23397B II <sup>2</sup>Meets U.L.723,Class L File R 7311 <sup>3</sup>F.A.R.25.853 (a) <sup>4</sup>Meets U.L.746C File E122798

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St. Paul, MN 55106  
1-800-362-3550  
www.3M.com/specialtytapes



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Printed in U.S.A.  
© 3M 2006 70-0709-5390-9