

3M™ Aluminum Foil Tape 425 is part of a larger family



Thicker
(0.18mm thick)
438, 438L



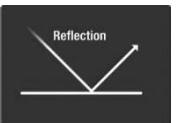
Thinner
(0.08mm thick)
431, 439



Extreme Durability
(Glass cloth scrim resists abrasion, puncture, continuous high temperatures)
363, 363L



High Temperature Silicone
(Up to 600F)
433, 433L



Reflective
(Light reflection makes light appear brighter)
431

Premium Lead Product



3M 425 Aluminum Foil Tape

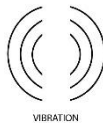
- Color Silver
- Adhesive Acrylic
- Adhesion to steel 51 N/ 100mm
- Tensile strength 490 N/ 100mm
- Elongation 8 %
- Thickness 0.12mm
- Temperature -65F to 300F (-54C to 149C)

Lined Version 427

High Conformability
(Electroplating & Anodizing)
(Rubber adhesive for clean removal)
420/421 lead foil



Higher adhesion
(164 N/100mm)
437
















Vibration Damping
(Reduce structure-borne noise)
2542, 2552, 434, 435, 436

Fine tuning: Choosing among Premium Foil solutions

TDS data as of August 9, 2016

Lead Product

★ Meets many industry and customer specifications

	Product	Construction	Color	Data Sheet	Why choose vs other products in the family?	Properties Tape thickness (mm)	Adhesion to steel (N / 100mm)	Tensile strength (N / 100mm)	Liner	Elongation at break (%)	Temperature range (°C)
Lead Foil	420	Lead Foil/ rubber	Dark Silver		Lined version of 421	0.17	49	350	Film	12%	-51C - 107C
	421	Lead Foil/ rubber	Dark Silver		Self wound plating tape, conformable backing great for plating and anodization	0.16	34	263	NA	14%	-51C - 107C
Premium	425/427	★ Aluminum Foil/ acrylic	Silver		Versatile, good sealant, chemical masking, conformable, on many customer specs	0.12	51	490	Paper	6%	-54C - 149C
	431/439	★ Aluminum Foil/ acrylic	Silver		Conformable, "Thinner" than 425 439 lined version of 431	0.08	37	302	NA/Paper	3%	-51C - 149C
	433/433L	★ Aluminum Foil/ silicone	Silver		High temp, up to 316C (600F) 433L lined version of 433	0.09	44	350	NA/Film	3.5%	-54C - 316C
	437	Aluminum Foil/ acrylic	Silver		Aggressive, high tack adhesive	0.20	164	525	Film	8%	-40C - 100C
	438/438L	★ Aluminum Foil/ acrylic	Silver		Heavy duty, thickest foil backing, heat resistance	0.18	47	1033	NA	10%	-54C - 149C
Reinforced Foil	363/363L	★ Aluminum Foil Glass Cloth/ Silicone	Silver		High tensile strength, high durability Temperature up to 316C (600F) 363L lined version of 363	0.19	57	2364	NA/Film	7%	-54C - 316C
Vibration Damping	434	Aluminum Foil/ viscoelastic polymer	Silver		Low temperature	0.19	71	876	Polyethylene	12%	-60C - 20C
	435	Aluminum Foil/ viscoelastic polymer	Silver		Thicker low temperature	0.34	71	876	Polyethylene	12%	-60C - 20C
	436	Aluminum Foil/ viscoelastic polymer	Silver		Thickest low temperature	0.44	71	876	Polyethylene	12%	-60C - 20C
	2542	Aluminum Foil/ viscoelastic polymer	Silver		Thinner, general purpose	0.25	72	1102	Polyethylene	7%	-32C - 80C
	2552	Aluminum Foil/ viscoelastic polymer	Silver		General purpose	0.38	72	2205	Paper	12%	-32C - 80C

