3M

High Temperature Aluminum Foil Tape

433 • 433L (Linered)

Product Description	3M TM High Temperature Aluminum Foil Tape 433 has a silicone adhesive that can be used in many high temperature applications. Also comes in an easy-release film liner.						
Product Construction	Backing	Adhe	sive Co	olor	Liner (3M tape 433L)	Standard Roll Length	
	Aluminum foil (Alloy 1100-0)	n foil Silicone		niny silver	Clear, easy- release film	60 yds. (55 m)	
Typical Physical Properties	Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.						
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					ascu ioi specimention pui	-	M Test Method
	Adhesion to Ste		3M tape	433 40	oz./in. width (43.8 N/100 m	AST	M Test Method D-3330 D-3330
		el:		433 40 433L 38		MST m) m)	D-3330
	Adhesion to Ste	eel:	3M tape	433 40 433L 38	oz./in. width (43.8 N/100 m oz./in. width (42.0 N/100 m lbs./in. width (350 N/100 m	MST m) m)	D-3330 D-3330
	Adhesion to Ste	eel: n: reak:	3M tape	433 40 4 433L 38 20 3.5	oz./in. width (43.8 N/100 m oz./in. width (42.0 N/100 m lbs./in. width (350 N/100 m	MST m) m)	D-3330 D-3759
	Adhesion to Ste Tensile Strength Elongation at Br	eel: n: reak:	3M tape	4433 40 433L 38 20 3.5 2.0 4433 3.6	oz./in. width (43.8 N/100 m oz./in. width (42.0 N/100 m lbs./in. width (350 N/100 m %	MST m) m)	D-3330 D-3330 D-3759 D-3759
	Adhesion to Ste Tensile Strength Elongation at Br Backing Thickne	eel: n: reak: ess: kness:	3M tape 3M tape 4	433 40 433L 38 20 3.5 2.0 433 3.6 433L 3.5	oz./in. width (43.8 N/100 m oz./in. width (42.0 N/100 m lbs./in. width (350 N/100 m % mils (0.05 mm) mils (0.09 mm)	MST m) m)	D-3330 D-3330 D-3759 D-3759 D-3652 D-3652

Features

• Flame resistant – meets requirements of F.A.R. 25.853(a).

Transmission Rate:
Temperature Use Range:

Permanent Appl.

Removable Appl.

Weight:

- 3MTM High Temperature Aluminum Foil Tape 433L can easily be die-cut into special sizes or shapes.
- Best results obtained when applied to a clean surface above 32°F (0°C), but tape can be applied from 0°F to 200°F (-18°C to 93°C).

(1.55 g/m²/24 hrs.)

-65° to 600°F (-54° to 316°C)

-65° to 375°F (-54° to 190°C)

0.0096 lbs./yd./in. width (.0049 kg/m/24 mm)

D-3833

• Performance range from -65°F to over 600°F (-54°C to over 316°C). Adhesive will gradually thermoset at high temperatures. As it thermosets, the adhesive mass becomes firm and gradually loses its pressure sensitivity but will continue to hold the tape in place.

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Application Ideas

- Moisture barrier around doors and windows to help prevent fogging of glass.
- Seal for automotive air bag inflators.
- To hold insulation on hot air ducts in industry.
- Cover resistance wire heating elements to distribute the heat.
- Splice jumbo rolls of aluminum foil or holding the last lap of narrow width rolls in preparation to annealing the rolls.
- Ideal as a heat reflective wrap along or over insulations, applied to tubes, engine support structures, missile ground handling equipment, or as a protector from other heat source areas such as hot areas in steel mills.
- Good holding, splicing, patching or general protecting tape on many applications involving high temperatures.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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Industrial Business

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ISO 9001: 2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards



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