

# Aluminium Foil Tape 425 & 427

# **Product Data Sheet**

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# **Product Description**

3M™ Aluminium Foil Tapes 425 and 427 are 70µm nominal dead soft aluminium foil backings combined with a transparent acrylic adhesive.

3M™ Aluminium foil tape 427 offers an easy-release liner.

# **Key Features**

- The very low moisture vapour transmission rate makes these tapes a good sealant.
- The acrylic adhesive, combined with the durable aluminium backing, offers ideal properties for long serviceable life in and outdoors
- Good candidate as a maskant in electroplating of aluminium because it will not contaminate the bath.
- Aluminium backing provides good reflection of both, heat and light.
- Best results obtained when applied to a clean, dry surface above 0°C.

# **Physical Properties**

Adhesive Type	Acrylic
Thickness (ASTM D-3652)	
Backing	0,07 mm
Adhesive layer	0,05 mm
Total tape thickness w/o liner	0,12 mm
Easy-Release Liner for tape 427	0,08 mm
Tape Colour	Shiny silver

## **Performance Characteristics**

Adhesion to Stainless Steel Aluminium foil tape 425 (ASTM D- 3330)	425	427	
	51N/100mm	55N/100mm	
Approximate Weight	238 g/m²	238 g/m²	
Water Vapour Transmission Rate (ASTM D- 3833)	0,2 g/m²/24	0,2 g/m²/24hrs.	
Tensile Strength (ASTM-D-3759)	490 N/100mm	490 N/100mm	
Elongation at Break (ASTM D-3759)	6%	6%	
Temperature Use Range	-55°C-150°0	-55°C-150°C	

#### **Application ideas**

Aircraft paint stripping maskant

- Moisture barrier in "white goods" appliances.
- General purpose heat reflector and heat dissipater
- Mechanically hold wires and cooling coils in "white good" appliances.
- Repair tears on trucks trailers and aircraft.
- Splicing of thin gauge foils.
- General purpose holding, patching, sealing application indoors and out.

#### Certifications

- Flame resistant. Meets U.L. 746 (File E 122798) and 723, Class "L" low flammability rating (file 7311)
- 3M<sup>™</sup> Aluminium Foil Tape 425 can be certified to meet SAE-AMS-T 23397, L-T-80C and ABS 5604.
- Meets requirements of F.A.R. 25.853(a).

#### Storage

Store under normal conditions of 16°C - 27°C and 40-60% relative humidity in the original carton.

#### **Shelf Life**

To obtain best performance, use this product within 24 months from date of manufacture.

#### For Additional Information

To request additional product information or to arrange for sales Assistance, go to www.3M.be/bonding or www.3M.nl/bonding

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