

3M 427 Aluminum Foil Tape

Category : Polymer , Tape

Material Notes:

3M™ Aluminum Foil Tape 427 is a 5 mil nominal dead soft aluminum foil backing combined with a transparent acrylic adhesive. 3M aluminum foil tape 427 offers an easy-release liner. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-427-Aluminum-Foil-Tape.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	0.100 g/m ² /day	0.00644 g/100 in ² /day	ASTM D3833
Thickness	71.1 microns	2.80 mil	Backing; ASTM D3752
	78.7 microns	3.10 mil	Liner; ASTM D3752
	117 microns	4.60 mil	Total; ASTM D3752

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	43.75 MPa	6345 psi	ASTM D3759
Elongation at Break	8.0 %	8.0 %	ASTM D3759
Peel Strength	0.5478 kN/m	3.125 pli	Adhesion to Steel; ASTM D3330

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	149 °C	300 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	

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