

A209

WIRE LABEL



Description

A209 is a flexible cast vinyl film suitable for conforming to curved and textured surfaces, including most low surface energy plastics and small diameter applications. These film materials utilize an adhesive with a high initial tack and excellent adhesion to a variety of surfaces including high surface energy (HSE) and low surface energy (LSE) plastics such as polyethylene.

Altec A209 labels offers excellent fraud-resistant features after 48 hours of attachment and is therefore not able to be removed in its entirety.

Construction

Facestock	Adhesive	Liner
.002 in. Bright white cast vinyl film (51 microns)	High tenacity acrylic 1.0 mil (25 microns)	90gsm yellow glassine liner

Features

Designed to be dimensionally-stable and can withstand more than five years of outdoor exposure, including ultraviolet light, temperature extremes and solvents. Their thin caliper and flexibility allow for conformance to small diameter and complex curved surfaces.

The liner is designed for rotary, roll to roll applications. The backside of this liner is not printable. This liner is not suitable for roll to sheet and other layflat applications.



UL Recognized (File MH11410)



CSA Accepted (File 099316)

Physical properties

Liner release	Targets: 12 g/1 in. ²	TLMI Method, 180° removal, 90 in./min., 1" width
Service temperature short term	-76°F to 302°F (-60°C to 150°C)	
Service temperature long term	-76°F to 203°F (-60°C to 95°C)	
Minimum application temperature	50°F (10°C)	

Peel adhesion properties

Adhesion: 180° peel test procedure is ASTM D 3330

Surface	Initial (48 hour Dwell/RT)	
	Oz./in.	N/100 mm
Stainless steel	102	110
Aluminium	95	103
Chrome	80	86
Acrylic paint	80	86
ABS Plastic	80	86
Polypropylene	59	64

Environmental performance

Samples were applied to stainless steel panels and allowed to dwell for 24 hours prior to exposures.

Liquid	Dwell time / Exposure condition	Results
Salt spray – 20% @ 95°F (35°C)	240 hours	No change
Transformer oil @ room temperature	24 hours	No change
Diesel fuel @ room temperature	8 hours	No change
Water @ room temperature	150 hours	No change

Humidity resistance

200 hours at 100°F (38°C) and 95% relative humidity: no change

Weather resistance

1,000 hours accelerated weathering in Xenon Tester: no change

Storage & Shelf life

Store at room temperature conditions of 72°F (22°C) and 50% relative humidity.

If stored under proper conditions, product retains its performance and properties for two years from date of manufacture.

Disclaimer

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