

Aerospace and Automotive

Foil with Flame-Retardant Adhesive

Aerospace applications include:

- floor coverings
- textiles (draperies & upholstery)
- seat cushions
- padding
- trays
- electrical conduits
- air ducting
- cargo covers

Automotive applications include:

- seat cushions
- seat belts
- headlining
- convertible tops
- armrests
- trim panels
- compartment shelves
- head restraints
- floor coverings
- sun visors

For more information on FLEXcon's pressure-sensitive film solutions for aerospace and automotive, contact your local Sales Representative or our Performance Products Business Team at (508) 885-8440.

Product ID #: FLX068348



Product:

**Flexcon®
FlexMark® L-59FR 068348
(2.0 Mil Foil,
2.0 Mil Adhesive)**

Benefits:

- 2.0 mil aluminum foil for supreme heat resistance
- 2.0 mil white flame-retardant non-halogenated adhesive
- Adhesive adheres well to acrylic, polypropylene, stainless steel, polyethylene, and glass
- 50 lb. bleached kraft release liner offers good diecutability
- Liner ideal for roll converting and manual dispensing
- FlexMark® L-59FR products at a 2.0 mil to 4.0 mil adhesive thickness are rated UL 94 V-0 when coated on 2.0 mil polyimide and 2.0 mil aluminum foil (UL E518655)
- FlexMark® L-59FR products at a 2.0 mil adhesive thickness on a 2.0 mil polyimide and 2.0 mil aluminum foil pass the following test standards: FMVSS 302; Vertical 60 sec burn: FAR 25.853 (a) Appendix F, Part I, (a), 1, (i); Vertical 12 sec burn: FAR 25.853 (a) Appendix F, Part I, (a), 1, (ii); Heat Release: FAR 25.853 (d) Appendix F, Part IV; Smoke Density: FAR 25.853 (d) Appendix F, Part V; Toxicity Test: BSS 7239



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PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%
	Adhesive	1.9-2.1 (48-53) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
Dimensional Stability (%)	No Shrinkage Observed	ASTM D 3652 (Modified for use with non-tape products)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
Acrylic	63 (693)	
Glass	53 (583)	
Polyethylene	20 (220)	
Polypropylene	9 (99)	
Stainless Steel	41 (451)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	100	
Tack (gm/sq cm)	980	ASTM D 2979
Flammability	See other side for information	
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity	

DISCLAIMER: FLEXCON MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, OR TRADE USAGE. This product is a device component intended solely for further processing, manufacturing, or incorporation into a finished device. Customer is solely responsible for determining whether this component product is fit for Customer's intended use, including, without limitation, incorporation into Customer's finished device(s), and for performing any additional testing that may be necessary to support Customer's intended use. Customer is solely responsible for ensuring that its use of the component product is in compliance with the applicable laws and for obtaining any necessary clearances or approvals from its use of the component product and any finished device that incorporates the component product. Full flame-retardant test results are available upon request.

Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of FLEXcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by FLEXcon. All purchasers of FLEXcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of FLEXcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.

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