

# High Temp

## Foil with Flame-Retardant Adhesive

*Applications include:  
Lamination & Fabrication*

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

*Product ID #: FLX068878*



Product:

**Flexcon®  
FlexMark® L-59FR 068878  
(2.0 Mil Foil,  
4.0 Mil Adhesive)**

Benefits:

- 2.0 mil aluminum foil for supreme heat resistance
- 4.0 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)



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PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%
	Adhesive	3.9-4.1 (99-104) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
<b>Adhesion Properties</b>		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
Acrylic	57 (627)	
Glass	61 (671)	
Polyethylene	18 (198)	
Polypropylene	11 (121)	
Stainless Steel	50 (550)	
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)	1040	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	

For guidance only - the data are based on three or less production runs.

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**Product Performance and Suitability**

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