

High Temp

Polyimide with Flame-Retardant Adhesive

*Applications include:
Lamination & Fabrication*

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

Product ID #: FLX068876



Product:

**Flexcon®
FlexMark® L-59FR 068876
(2.0 Mil Polyimide,
4.0 Mil Adhesive)**

Benefits:

- 2.0 mil polyimide film
- 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)



Flexcon®
FlexMark® L-59FR 068876
(2.0 Mil Polyimide,
4.0 Mil Adhesive)

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
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)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
Acrylic	71 (781)	
Glass	58 (638)	
Polyethylene	9 (99)	
Polypropylene	2 (22)	
Stainless Steel	63 (693)	
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)	1020	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.

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.

Last Modified On: 09/17/2024

