Flexcon® FlexMount® L-59FR 068228 (Flexcon® FlexMount® TT 200 V-59FR 50K-6 SPEC 50K-9)

Aerospace - .002" (2.0 Mil) Roll Form Laminating Adhesive with Flame-Retardant Adhesive

FLX068228

Benefits

- Product is ideal for smooth surfaces applications

Features

- 2.0 mil transfer adhesive
- 2.0 mil white flame-retardant adhesive
- Adhesive adheres well to acrylic, polypropylene, stainless steel, polyethylene, and glass
- Product is ideal for smooth surfaces applications
- Backed with two 50 lb. semi-bleached white kraft release liners ideal for roll-to-roll converting
- FlexMount® L-59FR products at a 2.0 mil to 4.0 mil adhesive thickness are rated UL 94 V-0 when bonded to 2.0 mil polyimide and 2.0 mil aluminum foil (UL E518655)
- FlexMount® L-59FR products at a 2.0 mil adhesive thickness pass the following test standards: 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
- BSS 7239: Drager Tube Toxicity, FAR 25.853(a)(a)(i): 60 sec burn, FAR 25.853(a)(a)(ii): 12 sec burn, FAR 25.853(d)(iv): Heat Release, FAR 25.853(v): Smoke Density, UL Recognized
- FLEXmount® L-59FR products at a 2.0 mil to 4.0 mil adhesive thickness are rated UL 94 V-0 when bonded to 2.0 mil polyimide and 2.0 mil aluminum foil (UL E518655)

Additional Details

- 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.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	8.25	
Adhesive	1.9-2.1 +/- 0.1	48-53 +/- 3
Liner	50K-6: 3.1 +/- 10 %	79
Liner 2	Spec 50K-9: 3.1 +/- 10 %	79

Test Method: ASTM D 3652 (Modified for use with non-tape product)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)

Test Method:

Additional Properties	Value	Test Method
Expected Shear (hours)	100	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
Tack (g)	980	ASTM D 2979
Expected Exterior Life	Depends on substrate, adhesive is suitable for outdoor use	
Additional Information		
Service Temperature	-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	

Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon.

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