



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.
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Technical Data

Physical Properties

| Thickness (Mils [microns]) | Mils | Microns |
|----------------------------|---------------------|-------------|
| Film | | |
| Adhesive | 1.9-2.1 +/- 0.1 | 48-53 +/- 3 |
| Liner | 50K-6: 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 | 100 | ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load) |
| Tack | 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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