Flexcon® FlexMount® L-59FR 068231 (Flexcon® FlexMount® TT 200 V-59FR 55 LA K)

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

FLX068231

Benefits

- Product is ideal for smooth surfaces applicationsProduct is ideal for smooth surfaces applications

Features

- Aerospace applications include: floor coverings textiles (draperies & upholstery) seat cushions, padding, trays, electrical conduits, air ducting, cargo cover
- 2.0 mil white flame-retardant adhesive
- Adhesive adheres well to acrylic, polypropylene, stainless steel, polyethylene, and glass
- Backed with a 55 lb. semi-bleached white kraft differential release liner 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

Additional Details

- 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

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
Total Product	5.25	
Adhesive	1.9-2.1 +/- 0.1	48-53 +/- 3
Liner	3.2 +/- 10 %	81

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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