



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

ARMATEX® SF 37 JETSTAR SILICONE COATED FIBERGLASS

ARMATEX® SF 37 JETSTAR is specifically designed for use in flexible closure assemblies of aircraft loading walkways. Comprised of a medium weight fiberglass fabric coated both both sides with a proprietary silicone rubber compound, ARMATEX® SF 37 JETSTAR exhibits superior strength and resistance to abrasion, fire and weathering. In addition, ARMATEX® SF 37 meets or exceeds the requirements of the National Fire Protection Association specifications 417, 255, and 701*, and is classified as "Class A" per NFPA 101, Life Safety Code.



AVERAGE PHYSICAL PROPERTIES

Coating	Proprietary Silicone Rubber
Color	Standard Aluminum Gray and Dark Gray Other colors available upon request
Weight, oz/sy, nominal FTMS 191A-5041	37
Thickness, inches, nominal FTMS 191A-5030	0.031
BASE FABRIC FTMS 191A-5050	
Weave Type	8 Harness Satin
Count, warp x fill	45 x 34
Temperature Rating	1000°F • 538°C continuous
Transient Exposure	1200°F • 648°C
Softening Point	1350°F to 1600°F • 732°C to 871°C
Melting Point	2050°F to 2160°F • 1121°C to 1182°C
Base Fabric is manufactured in accordance with:	MIL-Y-1140 • MIL-I-24244
Temperature Rating, Coating	-110°F to 500°F • -79°C to 260°C transient exposure to 600°F • 315°C
Width, inches	60 (+/- 3%)
Standard Roll Size	50 LY
ARMATEX® SF 37 JETSTAR is manufactured in accordance with:	MIL-I 24244 • ASTM E162 • ASTM E84.84a NFPA 417 • NFPA 255 • NFPA 101 Class A

Tolerance is +/- 10% unless otherwise stated. The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.



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AVERAGE PHYSICAL PROPERTIES, cont'd.

Flame Resistance can be certified to:	NFPA 417 • NFPA 255 • ASTM E84.91a UBC No. 42-1 • UL No. 723
FTMS 191A-5903 Results	
After Flame, seconds	22
After Glow, seconds	0
Char Length, inches	1
Tearing Strength, lbs • kg, warp x fill FTMS 191A-5136 (ASTM D1117)	Initial: 82 x 58 • 37 x 26 After Weathering: 59 x 45 • 27 x 20
Breaking Strength, lbs, warp x fill FTMS 191A-5102	Initial: 435 x 365 After Weathering**: 395 x 350
Bursting Strength, psi • kPa ASTM D3786	990 • 6826
Stiffness, inch lb. warp x fill FTMS 191A-5304 (at a 60° deflection)	Initial: 0.134 x 0.096 At 100°F • 38°C: 0.138 x 0.096 At -60°F • -51°C: 0.153 x 0.108
Abrasion Resistance, cycles FTMS 191A-5304	
Load, lb • kg	2 • 0.91
Tension, lb • kg	6 • 2.7 (Abradant: 320 grit emery paper, replaced every 100 cycles)
Degree of wear, warp x fill	6300 x 3300 (Initial rupture of base fabric yarn filament)
Hydrostatic Resistance, psi • kPa FTMS 191A-5512	Initial: 745 • 5137 After Weathering**: 685 • 4723
Flexibility, (Ross Flex Method), cycles	Exceeds 134,000, no change
Resistance to Blocking FTMS 191A-5872	No blocking: cloth surfaces are free
Adhesion of Coating (to fabric) ASTM D413	Excellent. No adhesive or cohesive method could produce a bond without sufficient strength to separate the coating from the fabric.
Oil and Hydrocarbon Resistance manufactured in accordance with:	MIL-C-20696, sect. 4.2.4

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*NFPA 701, Section 8-6, Accelerated Weathering is a prerequisite for the test specimen to be tested in, and in accordance with, NFPA 417.

**All weathering conducted in accordance with FTMS 191A-5804 (AATCC No. 111A-1984), water resistance - sunshine arc lamp exposure with wetting.

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Mid-Mountain Materials, Inc. • Telephone (800) 382-2208 • (206) 762-7600 • Fax (206) 762-7694

5602 - 2nd Avenue South • PO Box 80266 • Seattle, WA 98108 USA

info@mid-mountain.com • www.mid-mountain.com