



# THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

## 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 • 197 x 165 After Weathering: 59 x 45 • 179 x 159
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.