



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

ARMATEX® SF17 PREMIUM SILICONE COATED FIBERGLASS

ARMATEX® SF17 PREMIUM SILICONE COATED FIBERGLASS is comprised of a strong, flexible woven fiberglass fabric impregnated both sides with premium silicone rubber to a finished weight of 17 ounces per square yard. Manufactured to exceed industry standards, ARMATEX® SF17 PREMIUM SILICONE COATED FIBERGLASS has excellent UV resistance and is commonly used for the fabrication of thermal insulation blankets and composite components associated with industrial insulation systems.



AVERAGE PHYSICAL PROPERTIES

Coating	Proprietary Silicone Rubber
Color	Gray, Red, other colors available upon request
Weave	4 Harness Crowfoot Satin
Count, ends/inch • 5cm	48 x 32 • 95 x 63 (warp x fill)
Weight, oz/sy • g/sm	17 • 576.40 (+/- 0.5 oz/sy) per FTMS 191-A-5041
Thickness, inches • mm, nominal	0.017 • 0.43
Temperature Rating	
Base Fabric	1000°F to 538°C, transient exposure to 1200°F • 648°C
Coating	-65°F to 500°F • -54°C to 260°C, transient exposure to 600°F to 315°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
Tear Strength, lbs/in • N/5cm (warp x fill)	56 x 53 • 490 x 464, per FTMS 191A-5136 (Trapezoid)
Breaking Strength, lbs/in • N/5cm (warp x fill)	233 x 137 • 2040 x 1200, per FTMS 191A-5100
Bursting Strength, PSi • MPa (average)	295 • 2.036, per FTMS 191A-5122 • ASTM D3786
Base Fabric can be certified to:	MIL-Y-1140 • MIL-I-24244 • ASTM D4029 • ASTM D4357 • ASTM D579
Water Resistance - Rain Test AATCC Method 35-1977	ARMATEX® SF 17 PREMIUM meets the AATCC 35 requirements

Tolerance is +/- 10% unless stated otherwise.



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Average Physical Properties, continued

Dielectric Strength, V/mil	273 +/- 14.9 per ASTM D149																		
Water Repellency - Spray Test AATCC Method 22-1977	ARMATEX® SF 17 PREMIUM meets the AATCC 22 requirements Test report available upon request																		
Hydrostatic Resistance, PSI (average)	291, per FTMS 191A-5122																		
Smoke Density, Ds @ minutes (average) ASTM E662-01	<table border="1"> <thead> <tr> <th>Minutes</th> <th>1</th> <th>5</th> <th>10</th> <th>15</th> <th>20</th> </tr> </thead> <tbody> <tr> <td>Non-flaming Mode</td> <td>1</td> <td>4</td> <td>11</td> <td>17</td> <td>24</td> </tr> <tr> <td>Flaming Mode</td> <td>2</td> <td>14</td> <td>31</td> <td>46</td> <td>58</td> </tr> </tbody> </table>	Minutes	1	5	10	15	20	Non-flaming Mode	1	4	11	17	24	Flaming Mode	2	14	31	46	58
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ASTM E84 - Surface Burning Characteristics Flame Spread Index Smoke Development Class I or A Rating	0 25																		
Surface Flammability/Radiant Heat ASTM E162	ARMATEX® SF 17 PREMIUM meets the ASTM requirements Test report available upon request																		
Toxic Gas Generation Bombardier SMP-800-C	ARMATEX® SF 17 PREMIUM has been tested/meets Bombardier specs Test report available upon request																		
Resistance Oil/Aromatic Hydrocarbon Fluids MIL-PRF-20696F	ARMATEX® SF 17 PREMIUM has been tested/meets Mil-Spec 20696F Test report available upon request																		
Flame Penetration FAR 25.855 Appendix F Part III	ARMATEX® SF 17 PREMIUM has been tested/meets FAR 25.855 Test report available upon request																		
Standard Packaging is 50 LY per roll (+/- 3%), special packaging available upon request. Fifty yard rolls generally do not have splices. However, if a roll should have splices, there will be no more than two splices per roll with no pieces less than 10 LY in length.																			

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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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