

Pyroblanket™ 17oz

Product Name: Pyroblanket™ 17 oz (578 g/m²) – Premium Grade

Technical Description: 17 oz Premium grade Pyroblanket is a specially woven, strong, lightweight flexible fiberglass fabric which is coated and impregnated from both sides with a premium liquid silicone rubber. Insulflex 17 oz premium grade Pyroblanket is designed to exceed industry standards for outdoor and offshore use where resistance to moisture, sunlight and corona is desirable.

Temperature Capabilities: All grades of Pyroblanket are rated for –65 to 500°F (-54 to 260°C).

Short term flame exposure to 2000°F (1093°C) will start to transform silicone rubber to SiO₂. Base glass fabric is rated for continuous operation to 1000°F (538°C) with transient exposure to 1200°F (648°C). The base glass fabric will soften in the 1350 to 1650°F (732 to 898°C) range. Melting point for the base glass fabric is 2050 to 2160°F (1121 to 1182°C).

Product Overview: 17 oz Premium Pyroblanket is available in 60" (1525mm) wide rolls. It is used primarily in the fabrication of valve insulation covers and hanging flame protective blankets for outdoor and offshore use.

Premium Pyroblanket is impregnated with a high pressure roll process to ensure excellent adhesion. This is critical to its ability to withstand outdoor exposure to sunlight and moisture. It can be supplied in bulk rolls, fabricated shapes or short lengths complete with grommets for hanging.

Weight: 17 (+/- 0.5 oz/sy) FTMS 191-A-5041

Nominal Thickness: 0.018" (0.457mm)



Disclaimer: Due to the range of possible applications, no warranty is expressed or implied. ADL Insulflex, Inc.'s liability is limited solely to the replacement of defective material. ADL Insulflex, Inc. will not be held liable for any consequential damages arising from the use or misuse of the material. While the information given herein is believed to be reliable, ADL Insulflex, Inc. makes no warranties as to the accuracy or completeness. Samples of all Insulflex® products are available at no cost or obligation, and suitable trials should be made prior to installation.

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Tear Strength (lb): 56 warp FTMS 191-A-5136
53 fill FTMS 191-A-5136

Tensile Strength: 233 warp FTMS 191-A-5100
137 fill FTMS 191-A-5100

Base fabric: Satin Weave – 4 harness

Weave count: 48 x 32 (warp x fill)

Burst Strength: 600psi (42kg/cm²) ASTM-D-3786-87

Hydrostatic Resistance: 291 PSI FTMS 191-A-5512

Oil and Hydrocarbon resistance: Can be certified to MIL-C-20696 sec 4.2.4

Flame Resistance : Flame spread index 0 ASTM E84-91a

Smoke developed index: 20 ASTM E84-91a

Installation: Depends on a wide variety of application parameters.

Cautionary Notes: 17 oz Pyroblanket is not designed to protect personnel from impact projectiles.

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