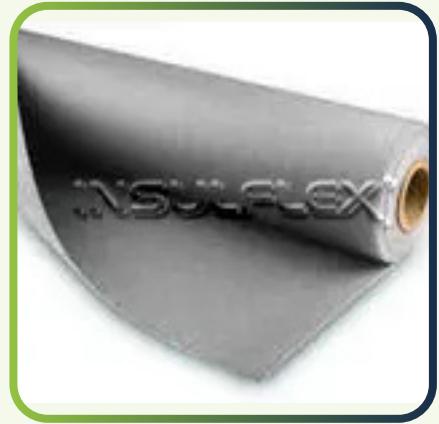


Technical Data Sheet

Pyroblanket™ 17oz

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

Technical Description: 17oz 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® 17oz 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°F to 500°F (-54°C 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°F to 1650°F (732°C to 898°C) range. Melting point for the base glass fabric is 2050°F to 2160°F (1121°C to 1182°C).

Product Overview: 17oz 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.

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: 17oz (+/-0.5oz/sy)

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: 295 psi (2033 PA) 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 E84-16

Surface Flammability/Radiant Heat: Meets requirements of ASTM E162

Smoke Developed Index: 20 ASTM E84-16

Installation: Depends on a wide variety of application parameters.

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

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