



Characteristics

- ▶ Low thermal conductivity
- ▶ Will not burn or smolder
- ▶ Will not stretch or shrink
- ▶ 1000°F service temperature
- ▶ High strength-to-weight ratio
- ▶ Resistant to sparks and welding spatter
- ▶ High dielectric strength/low constants
- ▶ Resistant to most chemicals
- ▶ Excellent flexibility up to 1000°F

Chemical Composition

Silicone Dioxide	52 - 56%
Calcium Oxide	16 - 25%
Aluminum Oxide	10 - 12%
Boron Oxide	8 - 12%
Magnesium Oxide	0 - 6%
Sodium Oxide	0 - 1%
Potassium Oxide	0 - 1%

Applicable Standards

- ▶ MIL-I-24244
- ▶ MIL-C-20079
- ▶ MIL-C-24576A
- ▶ MIL-16411E
- ▶ MIL-I-24244B/C
- ▶ MIL-I-1140H
- ▶ HH-P-31F
- ▶ U.S.C.G. subpart 164.009

Fiberglass textiles are available with the following coatings: Heat-treated, Vermiculite, Teflon, Hypalon, Neoprene, Silicone, Aluminum, Viton, Rewettable

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