



Characteristics

- ▶ Low thermal conductivity
- ▶ Will not burn or smolder
- ▶ Will not stretch or shrink
- ▶ 1800°F service temperature with 3000°F melt temperature
- ▶ High strength-to-weight ratio
- ▶ Highly resistant to molten metals
- ▶ High dielectric strength/low constants
- ▶ Resistant to most chemicals
- ▶ Excellent flexibility up to 2300°F

Chemical Composition

Silicone Dioxide	97.85%
Titanium Dioxide	0.81%
Aluminum Oxide	0.71%
Calcium Oxide	0.23%
Magnesium Oxide	0.17%
Boric Oxide	0.16%
Sodium Oxide	0.03%
Iron Oxide	0.01%
Zirconium Oxide	0.01%
Chromium Oxide	<0.01%
Copper Oxide	<0.01%
Nickel Oxide	<0.01%°

Applicable Standards

Mil-I-24244

Refractory silica products have been developed to replace asbestos in application where protection against extreme heat is required. Silica is available as cloth, tape, sleeving, or rope.

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