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Material Specification Sheet

FIRWIN WRAP

Fabric: Silicone

Material Overview: This product is a medium weight (17.5 oz/sqyd) fiberglass fabric impregnated with a specially formulated silicone rubber; 25% total by weight. This special, high temperature silicone rubber provides excellent resistance to abrasion, flexing, tearing and puncturing. This fabric is UV resistant (ASTM-G-154), water and oil resistant, and flame retardant with a low smoke spread (ASTM D-6413).

Max Temperature: 500°F (260°C)
Min Temperature: -67 °F (-55.00°C)
Thickness: 0.018" (0.46mm)
Color: Silver/Aluminum, Red, or Black
Standards: UL 214, NFPA-701 [Can be manufactured to meet NRC Guide 1.36, MIL-I-24244]

Insulation: Firwin 1200

Material Overview: Firwin 1200 is non-corrosive, non-combustible, non-alkaline and chemically stable "E" Type fiberglass mat. Its excellent heat resistance, flexibility and low thermal conductivity make this insulation an effective low-cost replacement for asbestos mats, millboard refractory paper and other similar products.

Max Temperature: 1200°F (649°C)
Density: 9-11 lb/ft³ (144-176 kg/m³)
Thickness: 1" (25.40mm)
Color: 8
KValue 0.40 @ 300°F (0.06 @ 149°C)
BTU×""/hr×ft²×°F 0.50 @ 500°F (0.07 @ 260°C)
(W/m×K) 0.65 @ 700°F (0.09 @ 371°C)

Standards: Meets MIL-1-242441234, MIL-1-16411 Type 2, USCG 164-009, UL2200

Mesh: 304 Stainless Steel Knitted Wire Mesh

Material Overview: FIRWIN High temperature resistant knitted wire mesh is used to contain the insulation media. It is ideal for use in insulation blankets since it supports continuous handling, is vibration resistant, resists penetration by sharp instruments, and expands and contracts with temperature changes. It is flexible and has two way stretch.

Max Temperature: 1200°F (649°C)
Density: 60
Diameter: 0.0095-0.011" (0.24-0.28mm)

All above data is based on manufacturer supplied test data. Firwin has not indepedendently tested the product to determine specifications.