

SILICONE SELF-FUSING TAPE

These tapes provide secure protection against all sorts of hazards, including leaks, electrical shock, and surface contamination - as well as providing vibration cushioning and grip.

Silicone Self-Fusing Tape

Silicone Self-Fusing Tapes are ideally suited for countless applications within the facility, breakroom & supplies category. These tapes are fully cured silicone rubber that chemically bonds to itself when stretched and wrapped tightly under tension.



*Custom PMS colors also available

PERFORMANCE FEATURES

Serves Extreme Conditions:

- -70°F (-57°C) to +500°F (+260°C)
- Ozone | Corona | UV Resistant | High Humidity

12-Month Shelf Life when stored at room temperature

Self-Bonding Without Adhesives

- Non-sticky, bonds within seconds, fully bonded within 24 hours; apply under water and outdoors as low as -40°F (-40°C)

Flame Resistant

Excellent Electrical Insulation

- Arc Track Resistant
- Dielectric Strength - 8 kV at 20 mils (0.5mm) thickness
- Volume Resistivity $10^{14} \Omega \cdot \text{cm}$

MIL-I-46852C / A-A-49163 Type I & Type II (available upon request)

Exceptional Mechanical Properties

- Elongation - 300%
- Tensile Strength - 700 psi

APPLICATIONS

- Electrical Cable Splicing
- Pipe & Hose Leak Repair
- Busbar Insulation
- Masking For Electro Plating
- High Temperature Epoxy
- Polyester Powder Coating Masking
- Emergency Repairs
- Aviation Cable Harnessing
- Flexible Silicone Hose Heater Insulation
- Vibration Dampening
- Motor & Transformer Termination Insulation
- Electric Traction Motor Armature Insulation
- Interpole Insulation
- Boat Rigging
- Chain Protection
- Corrosion Protection
- Tool and Sporting Equipment Grips
- Weather Sealing

TEST METHODS

Glass Transition Temperature (brittle temperature)

-70°F (-57°C) - ASTM D2137

Tensile Properties

ASTM D412

Dielectric Strength

ASTM D149

Water Absorption

Method 6251 / MIL-I-46852 (if requested)

