



Technical DATA



Jacobs 70

**Self Fusing Silicone
Rubber Electrical Tape**

Jacobs 70 Tape is self fusing electrical tape made of premium grade silicone rubber. It is an ideal tape for insulation protection in the power industry, suitable for voltage up to 35kv and can work continuously at H-class high temperature 180 ° C. The tape has good insulation, moisture resistant, flame retardant and sealing property.

01 Specification

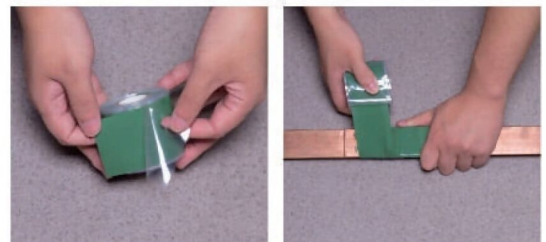
Jacobs 70 052503 : 0.3mm (T) x 25mm (W) x 9.15m (L)
Jacobs 70 055003 : 0.3mm (T) x 50mm (W) x 9.15m (L)
Jacobs 70 052505 : 0.5mm (T) x 25mm (W) x 9.15m (L)
Jacobs 70 055005 : 0.5mm (T) x 50mm (W) x 9.15m (L)
Jacobs 70 052510 : 1.0mm (T) x 25mm (W) x 10m (L)
Jacobs 70 055010 : 1.0mm (T) x 50mm (W) x 10m (L)

02 Product Features

- High temperature resistance: -55°C to 250°C
- Excellent insulation, ozone, UV and aging resistant
- Easy to install by hand, no need heating and special tools
- High reliability with excellent physical, chemical and electrical property
- Self fusing without adhesive, removed without residue, convenient for maintenance
- Flame retardant
- Mechanical vibration reduction

03 Instructions

1. Clean the oil, dust and dirt on the object to be wrapped
2. Remove the isolation film of tape, overwrap by half-overlap layers
3. Apply final overwrap with zero stretch
4. For angular pipes, use mastic tape to fill the sharp corner, or use tape to wrap it directly
5. Stretch the tape to twice of its original length until reaching the required thickness, slightly stretch final overwrap for mechanical protection



04 Application range

- Insulation protection for substation, bare parts of the power plant and bus-bar in main network
- Insulation protection for connections of electrical equipment, wire branch, clamps and terminal of cable head in distribution network
- Especially suitable for substation comprehensive insulation protection.
- Insulation protection for any shape of electrified body, no need free ends
- Insulation and fireproof for large cables and irregular shape conductor.
- Insulation protection for power system in places where fire can't be used, like Mine, oil field and chemical industry
- Insulation protection and fireproof of cable joint and bus-bar

05 Technical Parameters

Property	Typical Value	Property	Typical Value
Temperature Range	-55°C~260°C	Elongation at break	500%
Maximum Working Temperature	260°C	Flame Retardant	UL94-V0
Brittle Temperature	-65°C	Dielectric Strength	30KV/mm
Emergency Overload Temperature	300°C	Fusion	1.63kg/25.4mm
Heat Stability	-35°C~180°C	Volume Resistivity	10 ¹⁴ Ω.cm
Tensile Strength	7.6Mpa		

The above data is typical value, should not be regarded as actual specifications.

