

# #9805SR

## PREMIUM SELF-FUSING SILICONE RUBBER ELECTRICAL TAPE

### DESCRIPTION

A self-fusing silicone rubber tape made of top quality inorganic silicone rubber which possesses excellent electrical, chemical and physical properties. It is highly conformable, with excellent track, arc & ozone resistance. #9805SR is widely used as an overwrap as insulation for low-voltage applications as well as insulation for splices for up to 69,000 volts. The tape is also capable of operating continuously at 180°C/356°F (Class 'H') temperatures and is compatible with all synthetic cable insulations as well as cable splicing compounds.

### PRODUCT APPLICATIONS

#9805SR is used as an overwrap for protection of terminating high-voltage cables against arcing and tracking. Typically used as a primary insulating material for silicone cables or any cables which operate in excess of 130°C/266°F but not exceeding 180°C/356°F.

### ALTERNATIVE TO:

3M 70



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## QRAMO MATERIALS TECHNICAL DATA SHEET

### NOMINAL VALUES

The following data are based on nominal values based on PSTC, ASTM and other industry standard tests. The data should not be considered as specifications.

<b>Backing</b>	Silicone Rubber
<b>Colour</b>	Many colours
<b>Thickness</b> (±%)	0.50mm ± 0.02mm
<b>Bond Strength</b> (MIL-I46852C)	10.70 (N/25mm)
<b>Elongation</b> (ASTM D-412)	612%
<b>Tensile Strength</b> (ASTM D-412)	1,200psi
<b>Fusion</b> (ASTM D-4388)	Pass
<b>Temperature Range</b> (Operating)	-50°C to +260°C (-58°F to +500°F)
<b>Water Absorption</b> (ASTM D-570)	0.38%
<b>Ozone/UV Resistance</b> (ASTM D-4325)	Pass (visual)
<b>Di-electric Strength</b> (ASTM D-149)	34.70 (kV/mm)



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