

SELF-FUSING SILICONE TAPE

SAT



Specification Sheet

Description

SAT fuses to itself only. No adhesive, great for wrapping long shafts or tubes—SAT conforms to any shape—excellent for masking irregular parts.

Product Application

Recommended for Powder coating, e-coating, plating, & painting.

<u>Properties</u>	<u>Test Method</u>	<u>Performance</u>
Operating	Continuous	-54°C to +260°C (-65°F—+500°F)
Temperature Range	Intermittent	-65°C to +260°C (-85°F—+500°F)
Dielectric Strength	ASTM D-149	0.010" - 0.030" 400 VPM
Minimum		0.040 300 VPM
Short Time		0.050" 275 VPM
(1/4: Electrodes)		0.070—0.080" 200 VPM
Dielectric Constant, 1KHZ		2.95
Dissipation Factor, 1 KHZ		< .0004
Volume Resistivity	ASTM D-257	3 X 10 ¹⁴ OHM / CM
Cold Brittle Point, MAX	ASTM D-2137	-65° C
Water Absorption	FED, STD, 601 Method 6251	3% Max By Weight
Tensile Strength	ASTM D-412	700 PSI Minimum
Ultimate Elongation	ASTM D-412	300% Minimum



Custom Fabricating & Supplies

5500 Oakwood Park Drive ~ Franklin, WI 53132

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<u>Properties</u>	<u>Test Method</u>	<u>Performance</u>
Aging Property	ASTM D-412	
Retention (100 Hrs @ 500° F)		
Tensile		75%
Elongation		50%
Tear Resistance		85 PSI
Durometer Hardness		50 Shore Durometer (Room Cured 24 Hours)
Tolerances		
Thickness		+/- .002"
Width		+/- .0625"

NOTE: (1/2" - 1 1/2") meets or exceeds U.S. Military Spec AA-59163 (formerly MIL I-46852C) Type II, Triangular Guideline and Type I, Rectangular Self-Fusing Silicone Rubber Tape.



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