

EMERGENCY REPAIR TAPE

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Seal It Services, Inc. **EMERGENCY REPAIR TAPE** is an approved wrapping tape extruded of high performance silicone rubber. Suitable wherever a tough, permanently resilient, void-free insulation is required. On TGL tape (Triangle Guideline), the colored guide line facilitates wrapping and cuts taping time. The triangular shape assures a smooth, uniform finished wrap over difficult shapes, such as coils, splices, bus bars, and cable harnesses.

Seal It Services' **EMERGENCY REPAIR TAPE** is self-adhering and self-fusing, curing in 24 hours at room temperature. Faster curing and a harder finish can be accomplished through the application of heat after wrapping.

- ◆ Temperature range is -65°C to 260°C.
- ◆ UL 510 recognized.

USES

The strength and elasticity of Seal It Services' **EMERGENCY REPAIR TAPE** makes it ideal for automatic wrapping processes, such as for coils, where it protects the coils from the effects of vibration and shock and will not crack or separate with expansion or contraction stresses. The low dielectric losses and high insulation resistance of Seal It

Services' **EMERGENCY REPAIR TAPE** will not limit performance of a coil over a very wide temperature

range. The high thermal conductivity allows generated heat to dissipate rapidly resulting in a lower temperature rise and an increase of available power for a given load. The use of Seal It Services' **EMERGENCY REPAIR TAPE** makes it possible to easily and quickly reclaim old motors by over-wrapping deteriorated insulation. By the same process extra protection may be added to open frame motors or other equipment in difficult or contaminated locations. May be used in many Class A and Class B applications. For optimum shelf life, silicone rubber tape should be stored in a cool, dry area.

SPECIFICATIONS

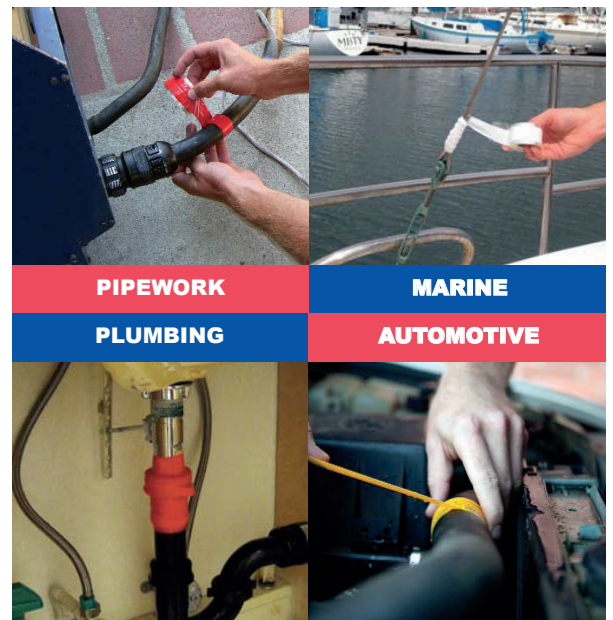
Seal It Services' **EMERGENCY REPAIR TAPE** meets or exceeds the requirements of MIL CID-A-A-59163, Type I, Rectangular; and Type II, Triangular Guide Line.

COLORS

Standard Colors: Red, Gray, Black (TGL)

Standard Colors: Red, Black (Rectangular)

Other colors subject to factory quotation upon request.



CHARACTERISTICS OF SILICONE RUBBER TAPE

PROPERTY	TEST METHOD	PERFORMANCE
Operating Temperature Range:		-65°C to 260°C
Specific Gravity	ASTM D792	1.2
Hardness, Durometer, Shore A		50
Room-cured — 24 Hours	ASTM D2148	70
Cured at 300°F — 24 Hours		75
Cured at 480°F — 24 Hours		
Tensile Strength, psi, minimum	ASTM D119	700
Elongation, %, minimum	ASTM D119	300
Bond Strength, pounds, minimum	MIL CID-A-A-59163	2 (1" width)
Adhesion, inches unwind, maximum	ASTM D2148	3
Cold Brittle Point, °C, maximum	ASTM D746	-65
Water Absorption, % max, by weight	MIL CID-A-A-59163	3
Dielectric Strength, volts/mil, minimum		
Thickness 0.020 inch	MIL CID-A-A-59163	400
Thickness 0.030 inch		400
Thickness 0.040 inch		300
Thickness 0.050 inch		275
Thickness 0.060 inch		250
Thickness 0.080 inch		200
Dielectric Constant, 1 KHz		ASTM D150
Dissipation Factor, 1 KHz	ASTM D150	<0.0004
Volume Resistivity, ohms/cm, minimum	MIL CID-A-A-59163	3×10 (14th power symbol)

Above values are typical performance data for FLEXITE Silicone Rubber TGL Tape and are not intended to be used as design data. Other sizes and roll lengths can be supplied, subject to factory quotation upon request.

WIDTH		THICKNESS		GUIDELINE COLOR	ROLL LENGTH		NOM WEIGHT / ROLL	
inch	mm	inch	mm		yards	meters	pounds	kilogram
TRIANGULAR								
*1.0	25.4	.020	.0508	Blue	12	10.97	.279	.1266
*1.0	25.4	.030	.0762	White	12	10.97	.375	.1701
*1.0	25.4	.040	1.016	Green	12	10.97	.469	.2127
1.25	31.75	.040	1.016	Green	12	10.97	.584	.2649
1.25	31.75	.050	1.270	Yellow	12	10.97	.701	.3180
1.5	38.1	.060	1.524	Blue	12	10.97	.984	.4463
1.5	38.1	.080	20.32	White	12	10.97	1.265	.5738
2.0	50.8	0.020	0.508	Blue	12	10.97	0.532	0.241
2.0	50.8	0.030	0.762	White	12	10.97	0.628	0.285
RECTANGULAR								
.750	19.5	.012	.305	n/a	12	10.97	.163	.0739
.750	19.5	.015	.381	n/a	12	10.97	.205	.0930
.750	19.5	.020	.508	n/a	12	10.97	.277	.1256
*1.0	25.4	.012	.305	n/a	12	10.97	.215	.0975
*1.0	25.4	.015	.381	n/a	12	10.97	.277	.1256
*1.0	25.4	.020	.508	n/a	12	10.97	.368	.1669
1.5	38.1	.012	.305	n/a	12	10.97	.330	.1497
1.5	38.1	.015	.381	n/a	12	10.97	.415	.1882
1.5	38.1	.020	.508	n/a	12	10.97	.552	.2504