



ER Tape - Emergency Repair Tape Specifications

ER Tape is a unique self bonding silicone rubber tape suitable wherever a tough, permanently resilient, void-free insulation is required. ER 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. The temperature range for this self fusing silicone rubber tape is -60°C to 200°C for continuous use; -65°C to 260°C for intermittent use.

WIDTH		THICKNESS		AVERAGE ROLL LENGTH		NOMINAL WEIGHT PER ROLL	
inch	mm	inch	mm	Feet	meters	pounds	kilogram
RECTANGULAR							
*1.0	25.4	.012	.305	12	3.658	.215	.0975
*1.0	25.4	.015	.381	12	3.658	.277	.1256
*1.0	25.4	.020	.508	12	3.658	.368	.1669

*Standard Sizes

CHARACTERISTICS OF SILICONE RUBBER TAPE

PROPERTY	TEST METHOD	PERFORMANCE
Operating Temperature Range: Continuous Intermittent		-60°C to 200°C -65°C to 260°C
Specific Gravity	ASTM D792	1.2
Hardness, Durometer, Shore A Room-cured -- 24 Hours Cured at 300°F -- 24 Hours Cured at 480°F -- 24 Hours	ASTM D2148	50 70 75
Tensile Strength, psi, minimum	ASTM D119	700
Elongation, %, minimum	ASTM D119	300
Tear Strength, ppi, minimum	ASTM D624, Die B	
Bond Strength, pounds, minimum	MIL CID-A-A-59163	2
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
Dielectric Constant, 1 KHz	ASTM D150	2.95
Dissipation Factor, 1 KHz	ASTM D150	<0.0004
Volume Resistivity, ohms/cm, minimum	MIL CID-A-A-59163	3x10 ¹⁰

Call Professional Plastics at (888) 995-7767 or E-Mail sales@proplas.com

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