

MOX-TAPE[®] Self-Fusing Silicone Tapes

MOX-Tape[®] Self-Fusing silicone tapes are produced from specially formulated silicone rubber. They bond irreversibly to provide an insulative barrier that is resistant to moisture, oxygen, ozone, and corona over a wide temperature range -54°C up to +260°C (-65°F up to +500°F).

These products provide superior electrical insulation with a dielectric strength of 300 VPM minimum at 180°C (356°F).

Property	Method	Unit	Method	T2020-B004-12	T2040-B004-12	T1010-B004-12	T1020-B004-12	T3020-B004-12	T3030-B012-12	
Profile				Triangular		Rectangular		Rectangular		
Cross Section								•••••		
Reinforcement				No	None		None		glass	
Thickness ¹	ASTM D2148*	inch (mm)	SQA-TMS-012	0.020 (0.51)	0.040 (1.02)	0.010 (0.25)	0.020 (0.51)	0.020 (0.51)	0.030 (0.76)	
Width ¹	ASTM D2148*	inch (mm)	SQA-TMS-012	1.00 (25.4)	1.00 (25.4)	1.00 (25.4)	1.00 (25.4)	1.00 (25.4)	3.00 (76.2)	
Color ²				Black	Black	Black	Black	Black	Black	
Tensile Strength	ASTM D3759*	PSI (kPa)	SQA-TMS-009	1262 (8701)	1306 (9005)	1288 (8880)	1317 (9080)	3810 (26269)	2444 (16851)	
Break Strength		lbf/in (N/cm)						86 (150.6)	78 (136.6)	
Elongation at Break	ASTM D3759*	%	SQA-TMS-009	779	787	748	823	29	25	
Adhesion Strength	ASTM D2148*	lbf/in (N/cm)	SQA-TMS-015	2.6 (4.6)	3.6 (6.3)	2.7 (4.7)	3.4 (6.0)	7.3 (12.8)	11.1 (19.4)	
Dielectric Strength	ASTM D149/D2148*	V/mil (kV/mm)	SQA-TMS-020	704 (277)	479 (188)	1146 (451)	817 (322)	659 (259)	649 (256)	
Water Absorption	FED-STD-601*	%w/w	SQA-TMS-016	0.2	0.1	0.4	0.2	1.6	1.1	
Temperature Ra	nge				-54°C to +260°C (-65°F to +500°F)					
Volume Resistivity			ASTM D257	10^13 ohm-cm min.						
Self Adhesion			ASTM D2240	2 p.p.i. min. (3.5 N/cm)						
Hardness			ASTM D2240		50 Shore A					

1. Available in a variety of thicknesses and widths as illustrated below. Consult your Sales Engineer or Customer Service for Availability.

2. Available colors include; red (red iron oxide), and black.

* Fiberglass reinforced tape tested as per Mil-1-22444C Specification.



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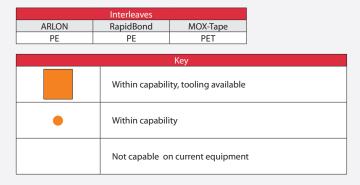
ess	Unsupported Triangular							
Thickness (in)	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000
0.010								
0.015								
0.020								
0.022								
0.030			•					
0.040						•		•
0.050								•
0.060								
0.070					•	•		
0.080								

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Colors			
RapidBond	MOX-Tape		
Grey	Red		
	Black		
	RapidBond		

ROGERS



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