



MOX-TAPE® Self-Fusing Tapes Data Sheet

Unsupported and Supported Self-Fusing Tapes for Aerospace Applications

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		---	---	None		None		Fiberglass	
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 Range								-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.

Unsupported and Supported Self-Fusing Tapes Standard Capabilities

Unsupported Triangular ▲ Rectangular ■	Tape Width (inches)										
	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.50	2.75	3.00
0.010		■	■	■	■	■	■	■			
0.015		■	■	S ■	■	■	■	■			
0.020	■	▲ S ■	S ■	▲ S ■	▲ ■	▲ ■	■	▲ S ■			S
0.030	■	▲ ■	■	▲ ■	▲ ■	▲ ■	■	▲ ■			S
0.040	■	■	■	▲ S ■	▲ ■	▲ ■	■	▲ ■			
0.050	■	■	■	▲ S ■	▲ ■	▲ ■	■	▲ ■			
0.060	■	■	■	▲ ■	▲ ■	▲ ■	■	▲ ■			
0.070	■	■	■	▲ ■	▲ ■	▲ ■	■	▲ ■			
0.075	■	■	■	▲ ■	▲ ■	▲ ■	■	▲ ■			
0.080	■	■	■	■	■	■	■	■			
0.090											
0.100											

▲ ■ - Standard Unsupported ▲ ■ - Nonstandard Unsupported S - Supported Standard (Rectangular Only)

For products outside of current capability please contact your local sales engineer to discuss requirements.