



FlameShield™ Part Number T-SR-M025-16-XXX-20 & T-SR-M038-24-ROR-20, T-SR-M038-24-RBK-20 Pure Silicone Tape

A-A-59163 & MIL-I-46852 Type I and Type II tape



Our products may also be certified to the following specifications upon request:

- MIL-I-46852C, Type I & II / A-A-59163, Type I & II / MIL-I-22444C
- Boeing DMS2186 Type II
- Lockheed Martin MMS J517 & 5-00857
- General Electric A50A493 / A50E112 / P5384
- Rohr RMS315 / FAR 25.853 / UL / CSA

Property	Standard	Test Result or Tolerance	Test Method
Thickness: Type I Type II	.020" (20 mil) .020" (20 mil) (Centre)	+/- .002"	
Width: T-SR-M025-16 T-SR-M038-24	1.00" 1.50"	+/- .020"	
Length	36 feet	+/- 6.00"	
Shipping Weight ABST-16 ABST-24	140g / 5oz 480g / 17oz		
Color	Oxide Red or Black	N/A	
Guideline Color	Blue	N/A	
Operating Temperature	-60°C to +260°C -76°F to +500°F	N/A	
Brittle Temperature	-65°C / -85°F	N/A	
Interleave Material	.002" thick Mylar		
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	400 V/mil (.001")	575 325	MIL-I-46852 MIL A-A-59163 ASTM D-149
Dielectric Constant		2.94 @ 1KHz	ASTM D150
Resistance		3×10^{14} ohms/cm ³	MIL-I-46852
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" width)	2 lbs (minimum)	5.5	MIL-I-46852 ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25"	ASTM D2148
Water Absorption (by wt)	3% (maximum)	0.9%	MIL-I-46852
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55-65	55	ASTM D2148 ASTM D2240
Flame Test		Pass	FAA 60 Sec Vertical

FlameShield™ silicone tape is non-flammable and self-extinguishing.