



112 Extreme Temperature Self-fusing Silicone Electrical Tape

TECHNICAL DATA SHEET



CONSTRUCTION	
Material	Self-fusing Silicone Rubber
Liner	Polystyrene
Thickness	12 mil (0,305 mm)
Width	1 inch (25,4 mm)
Length	30 feet (9,14 m)
Profile	Rectangular
Color	Gray
Guideline	Red

PRODUCT INFORMATION	
Product Description: E/FUSING TAPE 112 is a self-fusing silicone splicing tape for use in extreme temperatures and harsh conditions where vinyl adhesive electrical tapes cannot withstand.	
Features:	
<ul style="list-style-type: none"> • No Adhesive - Chemically bonds to itself on contact and will not stick to substrate • Self-extinguishes when flame source is removed • Little to no surface preparation required • Extreme Temperature Range • Chemical and UV resistant • Easy to apply 	

APPLICATION EXAMPLES	
<ul style="list-style-type: none"> • Cable Terminations • Motor lead connections • High voltage cable overwrap • Splice overwrap on spacer cable 	

APPLICABLE STANDARDS	
<ul style="list-style-type: none"> • Meets UL 510 requirements • Exceeds Military Specification MIL A-A-59163 • Class H Insulation 	

SPECIFICATIONS		
Property	Test Method	Value
Continuous Temperature Range		-65°F to +450°F -54°C to +232°C
Intermittent Temperature Range (24 hrs max)		-85°F to 500°F -65°C to 260°C
Cold Brittle Point Max	ASTM D-2137	-85°F -65°C
Water Absorption	Fed STD 601 Method 6251	3% Max by weight
Tensile Strength	ASTM D-412	700 PSI Minimum
Elongation	ASTM D-412	300% Minimum
Dielectric Strength	ASTM D-412	8,500 V per layer
Durometer Hardness		50 Shore A
Thickness Tolerance		+/- .002 in +/- 0.05 mm
Width Tolerance		+/- 0.125 in +/- 3.175 mm

STORAGE / HANDLING / SHELF LIFE	
Storage	Store in a cool and dry area, away from direct sunlight.
Handling	Keep tape roll clean and free of dust, dirt or debris.
Shelf Life	5 years

DISCLAIMER: Midsun Specialty Products, Inc. (MSP) warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with MSP written instructions. Since many installation factors are beyond the control of MSP, the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. MSP liability is stated in the standard terms and conditions of sale. MSP makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions.



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