



**Freudenberg-NOK Part Number
58652 Product Description
Silicone Sinusoidal Heat Resistant Tape**

PRODUCT INFORMATION		
MIL Specification: MIL-I-22444C *		
Design / Construction	Value	Tolerance
Thickness	.020"	+/- .002"
Width	1.00"	+/- .020"
Length	60 ft.	+/- 6.00"
Tape Colour	Red / Orange	N/A
Guideline Colour	N/A	N/A
Physical Properties	Value	Specification
Tensile Strength (lbs/inch.)	56	40 lbs/inch. Min
Elongation (%)	25%	15 % min.
Inclined Mandrel Tack Test (inch.)	0.25	ASTM D2148
Bond Strength (1 inch. width, pounds)	5.5	1.0 lb/inch. min.
Dielectric Strength (Volts/mil)	575	500 Min. ASTM D149
* Note: This product meets the physical requirements outlined in MIL standard with added high heat resistant properties.		
Reinforcement Material	Sinusoidal Glass Yarn	
Interleave Material	.002" thk. Mylar	
Product Operating Temperature	-40 Deg. F to +600 Deg. F	
Product Shelf Life	One Year	
Note: Shelf life is defined as the duration of time for which the product will meet the physical requirements outlined above.		
It does not guarantee the product's usefulness in all applications.		
COMPOUND INFORMATION		
Physical Properties	Value	Test Method
Tensile Strength (PSI)	1460	ASTM D412
Elongation (%)	450	ASTM D412
Tear Strength (lb/in)	146	ASTM D624 Die B
Durometer, Shore A Points	55	ASTM D2240
FLAME RETARDANCE INFORMATION		
Flame Test Method	FAA 60 Sec. Vertical	
Flame Test Information	Value	Tolerance
Flame Time (seconds)	N/A	N/A
Glow Time (seconds)	N/A	15 sec. Max
Char Length (inches)	N/A	6" Max.
FUEL RESISTANCE INFORMATION		
Fuel Test Information	Value	Test Method
Volume Change After 24hr Immersion @ 73F	N/A	ASTM D471 Ref. Fuel C
Hardness Change After 24hr Immersion @ 73F	N/A	ASTM D471 Ref. Fuel C
Elongation Change After 24hr Immersion @ 73F	N/A	ASTM D471 Ref. Fuel C
Tensile Change After 24hr Immersion @ 73F	N/A	ASTM D471 Ref. Fuel C
The data presented in this document represents typical values for the production material.		
This data should not be used to write, or in place of, material specifications.		

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