



Arlon Silicones Technology

DATA SHEET	
Arlon Product Number	99950N008

PRODUCT DESCRIPTION		
Electrically conductive - Thermabond® - Primerless		
Design / Construction		
Liner:	1 mil FEP	
Product:	Uncured Silicone Rubber	
Carrier:	3 mil PTFE coated fiberglass	
Product Thickness	Thickness:	Value 8 mil
		Method Arlon SQA-TMS-003
Product Color :	Naturally Gray	
PHYSICAL PROPERTIES		
Silicone Compound Physical Properties	Value	Method
Tensile Strength	psi	485
Elongation	%	60
Poisson's Ratio	---	~0.5
Durometer	SAP	84
Specific Gravity	---	3.7
Thermal Conductivity	W/m-K	2.5
Thermal Resistance	°C-in ² /W	0.13
Heat Capacity	J/gK	0.40
Volume Resistivity	W - cm	5 x 10 ⁻²
Elastic Modulus	psi	2838
Glass Transition Temperature	°C	-116
Coefficient of Thermal Expansion	ppm/°C	93
Product Physical Properties	Value	Method
Lap Shear Strength	psi	495
Shear Modulus	psi	54
Total Product Weight	g/m ²	752
Flame resistance	UL94V-0	N/A
PROCESSING RECOMMENDATIONS		
Product Shelf Life	6 months from DOM at 45°F +/- 5°F	
	<i>Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.</i>	
Recommended Primers	No primer required	
Recommended Cure Cycle	15 min @ 285°F under pressure	
Recommended Postcure Cycle	None	
Product Operating Temperature	-100 to 400°F	

The data presented in this document represent typical values for the production material.

The data should not be used to write, or in place of, material specifications.

Please verify that any printed hard copy of this datasheet is current by referencing:

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