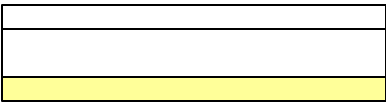




Arlon Silicones Technology

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PRODUCT INFORMATION SHEET	
Arlon Product Number	99720W008

PRODUCT DESCRIPTION		
Thermally conductive, electrically insulating, Thermabond®. Bonds with primer.		
Design / Construction		
Liner:	1 mil FEP	
Product:	Uncured Silicone Rubber	
Carrier:	3 mil PTFE coated fiberglass	
Product Thickness	Thickness:	Value 0.008"
		Method Arlon SQA-TMS-003
Product Color :	White	
PHYSICAL PROPERTIES		
Silicone Compound Physical Properties		
	Value	Method
Tensile Strength	psi	640
Elongation	%	15
Poisson's Ratio	---	~0.5
Durometer	SAP	88
Specific Gravity	---	1.7
Thermal Conductivity	W/m-K	1.2
Thermal Resistance	°C-in ² /W	0.26
Heat Capacity	J/gK	0.76
Dielectric constant D _k	@ 1 MHz	3.5
Dissipation factor D _f	@ 1 MHz	0.0015
Elastic Modulus	psi	7000
Glass Transition Temperature	°C	-116
Coefficient of Thermal Expansion	ppm/°C	45
Product Physical Properties		
	Value	Method
Dielectric Strength	volts/mil	1800
Lap Shear Strength	psi	300
Shear Modulus	psi	70
Total Product Weight	g/m ²	345
		Arlon SQA-TMS-018
		Arlon SQA-TMS-025
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.</i>	
	<i>It does not guarantee the product's usefulness in all applications.</i>	
Recommended Primers	Dow Corning S2260	
Recommended Cure Cycle	15 min @ 250°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.

Last Revised May 13, 2016.