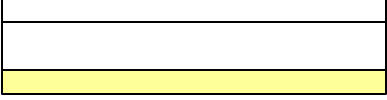




SILICONE TECHNOLOGIES DIVISION
 1100 Governor Lea Road, Bear, DE 19701
 (302) 834-2100 (302) 834-4021 (Fax)

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-008
		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.