



Elastomeric Material Solutions Division
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PRODUCT INFORMATION SHEET

ARLON® Product Number 99730N008

PRODUCT DESCRIPTION

Electrically Conductive - Thermabond® Adhesives. Bonds with primer

Design / Construction

Interleave: 0.001" FEP
Product: Uncured Silicone Rubber
Carrier: 0.003" PTFE Coated Fiberglass



Product Thickness	Overall Thickness:	Value	Method
		0.008"	Arlon SQA-TMS-003

Product Color: Naturally Gray

TYPICAL PROPERTIES

Silicone Properties	Value	Method
Tensile Strength psi	385	Arlon SQA-TMS-008
Elongation %	225	Arlon SQA-TMS-008
Poisson's Ratio --	~0.5	--
Durometer Shore A Points	70	Arlon SQA-TMS-014
Specific Gravity ---	3.7	Arlon SQA-TMS-024
Thermal Conductivity @ 100°C W/m-K	2.5	Arlon SQA-TMS-022
Thermal Resistance °C-in ² /W	0.13	Arlon SQA-TMS-022
Heat Capacity J/gK	0.40	Arlon SQA-TMS-052
Volume Resistivity Ω-cm	5x10 ⁻²	Arlon SQA-TMS-046
Elastic Modulus psi	798	Arlon SQA-TMS-005
Glass Transition Temperature °C	-116	Arlon SQA-TMS-055
Coefficient of Thermal Expansion ppm/°C	93	ASTM E831
Product Properties	Value	Method
Lap Shear Strength psi	509	Arlon SQA-TMS-018
Total Product Weight g/m ²	752	Arlon SQA-TMS-025

SHIPPING AND SHELF LIFE

Shipping Recommendation	Avoid temperatures higher than 85°F
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>	

PROCESSING RECOMMENDATIONS

Recommended Primers	Dow Corning PR-2260
Recommended Cure Cycle	15 minutes @ 285°F and 0.101 to 0.345 MPa
Product Operating Temperature	-100° to 400°F

The data presented in this document represents typical values for the production material. Typical values should not be used for specification limits. Please verify that any printed hard copy of this datasheet is current by referencing: www.rogerscorp.com/arlon

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