

PRODUCT INFORMATION SHEET
Arlon Product Number 99990A015
Customer Part Number
PRODUCT DESCRIPTION

 15 mil Primerless Thermabond[®] NP electrically insulating electronic adhesive. Bonds without primer.

Design / Construction
Liner: 1 mil FEP
Product: Uncured Silicone Rubber
Carrier: 3 mil PTFE coated fiberglass

Product Thickness
Thickness:
Value
15 mil

Method
Arlon SQA-TMS-003

Product Color : Light Blue

PHYSICAL PROPERTIES
Silicone Compound Physical Properties

		<u>Value</u>	<u>Method</u>
Tensile Strength	psi	850	ASTM D 412
Elongation	%	400	ASTM D 412
Poisson's Ratio	---	~0.5	---
Durometer	Shore A Points	55	ASTM D 2240
Specific Gravity	---	1.45	Arlon SQA-TMS-024
Thermal Conductivity	W/m-K	0.4	ASTM E 1530
Heat Capacity	J/gK	1.14	E1461-01
Dielectric constant D_k	@ 1 MHz	3.4	IPC TM 650 - 2.5.5.3
Dissipation factor D_f	@ 1 MHz	0.005	IPC TM 650 - 2.5.5.3
Elastic Modulus	psi	875	Arlon SQA-TMS-008
Glass Transition Temperature	°C	-117	ASTM E 1356
Coefficient of Thermal Expansion	ppm/°C	180	ASTM E831

Product Physical Properties

		<u>Value</u>	<u>Method</u>
Dielectric Strength	volts/mil	900	ASTM D 149
Lap Shear Strength	psi	1000	ASTM D 1002
Shear Modulus	psi	75	ASTM D 1002
Thermal Resistance	°C-in ² /W	1.5	ASTM E 1530
Total Product Weight	g/m ²	552	Arlon SQA-TMS-025

SHIPPING AND SHELF LIFE
Shipping Recommendation Arlon recommends refrigerated shipping for this product.

Product Shelf Life 6 months from DOM at 45°F +/- 5°F

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.
PROCESSING RECOMMENDATIONS
Recommended Primers No primer required.

Recommended Cure Cycle 15 min @ 250°F under pressure

Product Operating Temperature -100 to 400°F