



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

99710W015

PRODUCT DESCRIPTION

15 mil thick Thermabond® T20 electrically insulating electronic adhesive.

Design / Construction

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



Product Thickness

Thickness:

15 mil

Method

Arlon SQA-TMS-003

Product Color : White

PHYSICAL PROPERTIES

Silicone Compound Physical Properties

		<u>Value</u>	<u>Method</u>
Tensile Strength	psi	650	ASTM D 412
Elongation	%	25	ASTM D 412
Durometer	Shore A Points	83	ASTM D 2240
Thermal Conductivity	W/m-K	0.8	ASTM E 1530
Specific Gravity	---	1.6	Arlon SQA-TMS-024
Glass Transition Temperature	°C	-116	ASTM E 1356

Product Physical Properties

		<u>Value</u>	<u>Method</u>
Dielectric Strength	volts/mil	1000	ASTM D 149
Lap Shear Strength	psi	TBD	ASTM D 1002
Shear Modulus	psi	100	Arlon SQA-TMS-018
Thermal Resistance	°C-in ² /W	0.74	ASTM E 1530
Total Product Weight	g/m ²	610	Arlon SQA-TMS-025

PROCESSING RECOMMENDATIONS

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.

Recommended Primers

Dow Corning S2260 or Lord Chemical Chemlok® 607

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.*

Last Revised May 13, 2016.