



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number

99710W008

PRODUCT DESCRIPTION

8 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:

8 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 | 380 | ASTM D 1002 |
| Shear Modulus psi | 100 | Arlon SQA-TMS-018 |
| Thermal Resistance °C-in ² /W | 0.39 | ASTM E 1530 |
| Total Product Weight g/m ² | 325 | 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.