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PRODUCT INFORMATION SHEET

Arlon Product Number

90B32R016AC

PRODUCT DESCRIPTION

Aluminum Clad Press Pad with "C-finish"

Design / Construction

Side 2: Alloy 1100 Aluminum Foil

Side 1: Cured silicone rubber



Thickness Specifications

Laminated aluminum foil:

Value

0.004"

Method

Arlon SQA-TMS-003

Side 1:

0.012"

Arlon SQA-TMS-003

Overall Thickness:

0.016"

Arlon SQA-TMS-003

TYPICAL PROPERTIES

Silicone Compound Properties

Adhesion Strength to Aluminum

lb/in

Value

10.1

Method

Arlon SQA-TMS-011

Tensile Strength

Psi

1481

Arlon SQA-TMS-008

Elongation

%

263

Arlon SQA-TMS-008

Specific Gravity

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1.27

Arlon SQA-TMS-024

Alloy 1100 Properties (Annealed)

Rigidity

grams

3500

Arlon Gurley Test

Temper

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None

--

Tensile Strength

psi

12745

ASTM E345

Yield Stress

psi

4945

ASTM E345

Density

g/cc

2.7

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Aluminum Content

% minimum

99

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Product Properties

Product Weight

oz/yd²

Value

19.5

Method

Arlon SQA-TMS-025

SHELF LIFE AND TYPICAL SERVICE CONDITIONS

Product Shelf Life

12 months from the date of manufacture @ 70°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 application temperature

100°C to 300°C

Recommended application pressure

0 MPa to 10 MPa

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.

Please verify that any printed hard copy of this datasheet is current by referencing:

<http://www.arlon-std.com/Library/datasheets.htm>

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