

## Arlon 90B32R016AC Aluminum Clad Press Pad with "C-Finish"

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction:Side 2: Alloy 1100 Aluminum FoilSide 1: Cured Silicone RubberThis data represents typical values for the production material and should not be used as material specifications.Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-90B32R016AC-Aluminum-Clad-Press-Pad-with-C-Finish.php](http://www.lookpolymers.com/polymer_Arlon-90B32R016AC-Aluminum-Clad-Press-Pad-with-C-Finish.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
	2.70 g/cc	0.0975 lb/in <sup>3</sup>	Alloy 1100 Property (Annealed)
Thickness	102 microns	4.00 mil	Laminated Aluminum Foil; Arlon SQA-TMS-003
	305 microns	12.0 mil	Side 1; Arlon SQA-TMS-003
	660 microns	26.0 mil	Overall Thickness; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Tensile Strength	10.21 MPa	1481 psi	Silicone Property; Arlon SQA-TMS-008
	87.874 MPa	12745 psi	Alloy 1100 Property (Annealed); ASTM E345
Tensile Strength, Yield	34.09 MPa	4945 psi	Alloy 1100 Property (Annealed); ASTM E345
Elongation at Break	263 %	263 %	Silicone Property; Arlon SQA-TMS-008
Peel Strength	1.77 kN/m	10.1 pli	Silicone Compound Property - Adhesion Strength to Aluminum; Arlon SQA-TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 - 300 °C	212 - 572 °F	
	@Pressure 0.000 - 10.0 MPa	@Pressure 0.000 - 1450 psi	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 99 %	>= 99 %	Alloy 1100

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Rigidity (grams)	3500	Arlon Gurley Test; Alloy 1100 Property (Annealed)
Total Product Weight (oz/yd2)	19.5	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China