

## Arlon R34591R014 0.014" (0.356 mm) Uncured Silicone Rubber

Category : Polymer , Thermoset , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

### Material Notes:

Design/Construction: Interleave 1: Polyethylene Side 1: Uncured Silicone Rubber Substrate: Style 2116 Style Fiberglass Side 2: Uncured Silicone Rubber Interleave 2: Polyethylene Appearance: Red silicone gum on glass fabric This data represents typical values for the production material. The data should not be used to write, or in place of, material specifications. Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-R34591R014-0014-0356-mm-Uncured-Silicone-Rubber.php](http://www.lookpolymers.com/polymer_Arlon-R34591R014-0014-0356-mm-Uncured-Silicone-Rubber.php)

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	38.1 microns	1.50 mil	Interleave 1
	38.1 microns	1.50 mil	Interleave 2
	76.2 microns	3.00 mil	Side 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Side 2; Arlon SQA-TMS-003
	102 microns	4.00 mil	Substrate; Arlon SQA-TMS-003
	356 microns	14.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	Silicone Property; ASTM D2240
Tensile Strength	8.27 MPa	1200 psi	Silicone Property; ASTM D412
Elongation at Break	200 %	200 %	Silicone Property; ASTM D412
Peel Strength	0.596 kN/m	3.40 pli	Bond Strength; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	15.0 min Metric	0.250 hour English	Comments Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 149 °C	@Pressure 50.0 psi, Temperature 300 °F	
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Blue	Interleave
	Blue	Interleave
	Red	
Total Product Weight (oz/yd2)	13.8	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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