

## Arlon R36461R014 0.014" (0.356 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction: Liner: Polyethylene Side 1: Uncured Silicone Rubber Substrate: Style 7628 Fiberglass Side 2: Uncured Silicone Rubber Liner: Polyethylene 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-R36461R014-0014-0356-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-R36461R014-0014-0356-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Side 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Side 2; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Liner 1
	76.2 microns	3.00 mil	Liner 2
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	356 microns	14.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	Silicone Property; ASTM D2240
Tensile Strength	7.58 MPa	1100 psi	Silicone Property; ASTM D412
Elongation at Break	250 %	250 %	Silicone Property; ASTM D412
Peel Strength	1.26 kN/m	7.20 pli	Bond Strength; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °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
	@Pressure 0.0689 - 0.345 MPa, Temperature 149 °C	@Pressure 10.0 - 50.0 psi, Temperature 300 °F	Recommended Cure Cycle
Shelf Life	6.00 Month  @Temperature 21.1 - 26.7 °C	6.00 Month  @Temperature 70.0 - 80.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	15	Arlon SQA-TMS-025
Uncoated Fabric Break Strength	200 lb/in	Fill Strength, Substrate Property, Arlon SQA-TMS-026
	250 lb/in	Warp Strength, Substrate Property, Arlon SQA-TMS-026

## Contact Songhan Plastic Technology Co.,Ltd.

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