

## Arlon 49442R0075EP 0.0075" (0.190 mm) Cured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction:Side 1: Cured Silicone Rubber Substrate: Style 1681 FiberglassSide 2: Acrylic PSAThis 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-49442R0075EP-00075-0190-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-49442R0075EP-00075-0190-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Side 2; Arlon SQA-TMS-003
	50.8 microns	2.00 mil	Side 1; Arlon SQA-TMS-003
	140 microns	5.50 mil	Substrate; Arlon SQA-TMS-003
	191 microns	7.50 mil	Overall (not including PSA); Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Compound Property; ASTM D2240
Tensile Strength	4.48 MPa	650 psi	Compound Property; ASTM D412
Elongation at Break	250 %	250 %	Compound Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability Test	<= 3.0	<= 3.0	[in], Char Length; Arlon SQA-TMS-019
	<= 25	<= 25	[sec], Flame and Glow Time; Arlon SQA-TMS-019

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	From date of manufacture

Processing Properties	@Temperature 23.9 °C Metric	@Temperature 75.0 °F English	Comments
<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>	
Color	Red		
Total Product Weight (oz/yd2)	12		Arlon SQA-TMS-024
Uncoated Fabric Break Strength	110 lb/in		Fill Direction, Substrate Property
	195 lb/in		Warp Direction, Substrate Property

## 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