

## Arlon 5112R013 0.013" (0.330 mm) Cured, Self Fusing, Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction: Interleave: Polyethylene Side 1: Cured, Self Fusing, Silicone RubberSubstrate: Style 7628 FiberglassThis data represents typical values for the production material. The data should not be used to write, or in place of, material specificationsInformation provided by Arlon, Silicone Technologies Division

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-5112R013-0013-0330-mm-Cured-Self-Fusing-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-5112R013-0013-0330-mm-Cured-Self-Fusing-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 mil	Interleave
	127 microns	5.00 mil	Side 1; Arlon SQA-TMS-003
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	330 microns	13.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	7.481 MPa	1085 psi	Silicone Property; ASTM D412
Elongation at Break	495 %	495 %	Silicone Property; ASTM D412
Peel Strength	1.47 kN/m	8.40 pli	(S1 to S1) Bond Strength; Arlon-SQA-TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	22.0 kV/mm	560 kV/in	ASTM D149

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
Descriptive Properties		Value	Comments
Color		Red	
Total Product Weight (oz/yd2)		12.8	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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