

## Arlon A4020-C004FR 0.020" (0.508 mm) Cured Fusible Silicone Rubber with Sinusoidal Fiberglass Substrate

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

### Material Notes:

Design/Construction: Side 1: Cured Fusible Silicone Rubber Substrate: 15% sinusoidal Fiberglass Side 2: Cured Fusible Silicone Rubber

Interleave: Polyester Film FAR 25.853 Recognition: Product is designed to meet the FAR 25.853 App. F, P.1, Aii flame resistance

requirements but is not recognized by an FAA test Laboratory. UL94V-0: The product is designed to meet UL94V-0 flame resistance

requirements but is not recognized by Underwriters Laboratories. 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-A4020-C004FR-0020-0508-mm-Cured-Fusible-Silicone-Rubber-with-Sinusoidal-Fiberglass-Substrate-nbsp.php](http://www.lookpolymers.com/polymer_Arlon-A4020-C004FR-0020-0508-mm-Cured-Fusible-Silicone-Rubber-with-Sinusoidal-Fiberglass-Substrate-nbsp.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	25.4 microns	1.00 mil	Interleave
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	508 microns	20.0 mil	Overall; Arlon SQA-TMS-003
	25400 microns	1000 mil	Width; Arlon SQA-TMS-012

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	7.03 MPa	1020 psi	Silicone Property; ASTM D412
	19.7 MPa	2850 psi	Product Property; Arlon SQA-TMS-048
Elongation at Break	30 %	30 %	Tape Property; Arlon SQA-TMS-048
	450 %	450 %	Silicone Property; ASTM D412
Peel Strength	1.58 kN/m	9.00 pli	Adhesion Strength, Tape Property; Arlon SQA-TMS-047

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	27.6 kV/mm	700 kV/in	Tape Property; ASTM D149

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

Descriptive Properties	Value	Comments
Color	Brown	
	White	Substrate

## 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