

Arlon A3015-R004-12 0.015" (0.381 mm) Cured Fusible Silicone Rubber with Sinusoidal Fiberglass Substrate

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

Material Notes:

1 inch width and 36 inches long. Design/Construction: Side 1: Cured Fusible Silicone Rubber Substrate: 25% Sinusoidal Fiberglass Side 2: Cured Fusible Silicone Rubber Interleave: Polyester Film 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-A3015-R004-12-0015-0381-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 ³	Silicone Property; Arlon SQA-TMS-024
Thickness	25.4 microns	1.00 mil	Interleave
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	381 microns	15.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	7.93 MPa	1150 psi	Silicone Property; ASTM D412
	26.66 MPa	3866 psi	Product Property; Arlon SQA-TMS-048
Elongation at Break	38 %	38 %	Tape Property; Arlon SQA-TMS-048
	430 %	430 %	Silicone Property; ASTM D412
Tear Strength	15.8 kN/m	90.0 pli	Die B, Silicone Property; ASTM D624
Peel Strength	1.14 kN/m	6.50 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	28.9 kV/mm	735 kV/in	Tape Property; ASTM D149

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

Descriptive Properties	Value	Comments
Color	Red	
	White	Substrate

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