

Arlon T3020-B004 0.020" Self-Fusing, Cured Silicone Rubber Tape with Fiberglass Substrate

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

Material Notes:

1.0 inch wide, 20 mil thick, black, rectangular cross-section, self-fusing silicone tape. Design/Construction: Side 1: Cured Silicone Rubber Substrate: 25% Sinusoidal Fiberglass Side 2: Cured Silicone Rubber Interleave: 1 mil PET This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-T3020-B004-0020-Self-Fusing-Cured-Silicone-Rubber-Tape-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-012
	508 microns	20.0 mil	Overall thickness; Arlon SQA-TMS-012

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	Silicone Property; Arlon SQA-TMS-014
Tensile Strength	8.839 MPa	1282 psi	Silicone Property; Arlon SQA-TMS-009
Elongation at Break	31 %	31 %	Tape Property; Arlon SQA-TMS-048
	735 %	735 %	Silicone Property; Arlon SQA-TMS-009
Tear Strength	32.8 kN/m	187 pli	Die B; Silicone Property; Arlon SQA-TMS-029
Peel Strength	1.09 kN/m	6.20 pli	Adhesion Strength; Arlon SQA-TMS-047

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	24.3 kV/mm	618 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
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Processing Properties	12.0 Month Metric	12.0 Month English	Comments
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Black	Product
	Naturally White	Substrate
Tensile Strength (Lb/in)	89	Tape Property; Arlon SQA-TMS-048

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