

Arlon SFT 0.012" (0.305 mm) Cured Self-fusing Silicone Tape

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: PET Product: Cured Self-Fusing Silicone Rubber Cross-Section: 1" Wide Rectangular Description: 1 inch wide, 12 mil thick x 10 yards long, Gray, Rectangular cross-section, Self-fusing silicone tape Meets US Military Specification A-A59163 (supersedes Mil-I-46852C) except for packaging, sampling, and thickness. The following tests are conducted on one roll from each lot of tape: Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption 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-SFT-0012-0305-mm-Cured-Self-fusing-Silicone-Tape.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	Arlon SQA-TMS-024
Water Absorption	0.38 %	0.38 %	Arlon SQA-TMS-016
Thickness	25.4 microns	1.00 mil	PET, Interleave
	305 microns	12.0 mil	Overall; Arlon SQA-TMS-012

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ASTM D2240
Tensile Strength	8.27 MPa	1200 psi	ASTM D412
Elongation at Break	612 %	612 %	ASTM D412
Peel Strength	0.421 kN/m	2.40 pli	Bond Strength; Arlon SQA-TMS-015

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	
Minimum Service Temperature, Air	-51.0 °C	-59.8 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	34.7 kV/mm	881 kV/in	Tape Property; ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Gray	

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