

Arlon 920-10R##-P-1 Cured Self-Fusing Silicone Rubber Tape

Category : Polymer , Tape , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

1 inch wide, 20 mil thick, Red, Rectangular cross-section self-fusing silicone tape. Meets U.S. Military Specification A-A-59163 (supercedes Mil-I-46852C) except for packaging and sampling. The following tests are conducted on one roll from each lot of tape per Mil-I-46852C:

Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-920-10R-P-1-Cured-Self-Fusing-Silicone-Rubber-Tape.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	Silicone Property; Arlon SQA-TMS-024
Water Absorption	2.8 %	2.8 %	MIL-I-46852C
Thickness	508 microns	20.0 mil	Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength, Ultimate	7.93 MPa	1150 psi	Silicone Property; ASTM D412
Elongation at Break	430 %	430 %	Silicone Property; ASTM D412
Adhesive Bond Strength	0.0214 MPa	3.10 psi	MIL-I-46852C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	29.5 kV/mm	750 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature 23.9 °C	12.0 Month @Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	

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