

## Arlon MT920-10#3.3-P1 0.020" (0.508 mm) Cured Self-Fusing Silicone Tape (Triangular, Unsupported) with Poly Interleave

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Description: 0.020" thick x 1.0" wide x 3.33 yards long, Rectangular cross-section, Silicone, Self-Fusing Tape. Design/Construction:

Interleave: Polyethylene Rubber: Cured Self-Fusing Silicone Rubber Cross-Section: 1.0" Wide Triangular Meets US Military Specification A-A59163 (supersedes Mil-I-46852C) except for sampling level and packaging. The following tests are conducted on one roll from each lot of

tape per A-A-59163: Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption. Product Use:

Multi-use tape Appearance: Various colored silicone rubber tape on polymer liner. 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-MT920-1033-P1-0020-0508-mm-Cured-Self-Fusing-Silicone-Tape-Triangular-Unsupported-with-Poly-Interleave.php](http://www.lookpolymers.com/polymer_Arlon-MT920-1033-P1-0020-0508-mm-Cured-Self-Fusing-Silicone-Tape-Triangular-Unsupported-with-Poly-Interleave.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Water Absorption	1.7 %	1.7 %	Arlon SQA-TMS-016
Thickness	63.5 microns	2.50 mil	Polyethylene, Interleave
	508 microns	20.0 mil	Rubber; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	7.79 MPa	1130 psi	Silicone Property; ASTM D412
Elongation at Break	560 %	560 %	Silicone Property; ASTM D412
Peel Strength	0.543 kN/m	3.10 pli	Bond Strength; Arlon SQA-TMS-015

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	34.3 kV/mm	870 kV/in	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	Black	
	Blue	
	Green	
	Natural	
	Vibrant Red	
	Yellow	

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