

Arlon LW202Txx-P1 0.020" (0.508 mm) Self-Fusing Silicone Tape (Triangular, Unsupported) with Poly Interleave

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Triangular Cross Section Fusible Tape Arlon LevelWrap® Tape: LevelWrap® has tapered edges and a colored line along its apes. The purpose of the line is to act as a guide for subsequent wraps in order to form a uniformly thick layer.

Performance Advantages: Resists moisture, oxygen, and ozone to assure continuous high insulation values. Conforms smoothly when wrapped around complex forms. Bonds to itself at room temperature within 24 hours. Remains non-tacky to the touch and does not adhere to other surfaces, or substrates. Insulates with single wrap, thereby reducing labor time and cost. Dampens vibration and resists heat and mechanical shock as well as corona. Inherently flame resistant and when burned forms a non-conductive ash. SA & SB MOX-Tapes® provide a uniform thickness even around sharp edges. Fiberglass fabric, encapsulated inside the silicone rubber, prevents wicking and maintains high insulation resistance under high humidity conditions. These controlled stretch tapes provide a uniform insulation barrier. All tapes are protected by a special interleaved liner.

Applications:

Mechanical: Protection of coils from vibration. Vibration fixture, anti-scratch, and clamping pads. Harness wrapping and wire bundling, including for high temperature applications. Applied to rollers for protection and traction. Plant maintenance. Superior, heavy duty repair tape for emergency insulating barrier.

Electrical: Insulation of field armature and interpole coils in large motors. Insulation for splicing and terminating of wire and cable. Insulating and sealing electrical connections. Insulating coil leads and bus bar connections. Electromagnetic coil insulation. Motor connections. Overwrapping of deteriorated insulation in reclaimed motors.

Environmental: On-board aviation and space applications. Underground cable splices. Insulating heated transfer lines. Insulating in radioactive environments. Masking agent utilized in manufacturing processes and powder coatings. Insulating, protecting, and sealing rigging hardware and power systems in marine applications.

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-LW202Txx-P1-0020-0508-mm-Self-Fusing-Silicone-Tape-Triangular-Unsupported-with-Poly-Interleave.php

Physical Properties	Metric	English	Comments
Water Absorption	<= 3.0 %	<= 3.0 %	
	@Time 166000 sec	@Time 46.0 hour	
Thickness	457 - 559 microns	18.0 - 22.0 mil	Overall
	49210 - 52390 microns	1938 - 2063 mil	Width

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 4.83 MPa	>= 700 psi	Compound Property
Elongation at Break	>= 300 %	>= 300 %	Compound Property
Peel Strength	>= 0.351 kN/m	>= 2.00 pli	Government Bond

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
Volume Resistivity	>= 3.00e+14 ohm-cm	>= 3.00e+14 ohm-cm	
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

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

Descriptive Properties	Value	Comments
Color	Transparent	

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