



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET

Arlon Product Number LW201B ## - P1
Customer Part Number

PRODUCT DESCRIPTION

1 inch wide, 20 mil thick, Black, Triangular cross-section self-fusing silicone tape.
Product is supplied in various roll lengths. ## in product number indicates roll length in yards.

Meets U.S. Military Specification A-A-59163 (supercedes Mil-I-46852C) except for sampling level and packaging. The following tests are conducted on one roll for each lot of tape: Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption.

Design / Construction

Rubber: Cured self-fusing silicone rubber
Cross-Section: 1" wide Triangular
Interleave: 3 mil PE



<u>Rubber Thickness</u>	<u>Value</u>	<u>Method</u>
Rubber:	20	Arlon SQA-TMS-003

Product Color : Black

PHYSICAL PROPERTIES

<u>Silicone Compound Physical Properties</u>	<u>Value</u>	<u>Method</u>
Tensile Strength psi	1100	ASTM D 412
Elongation %	400	ASTM D 412
Durometer Shore A Points	55	ASTM D 2240
Specific Gravity ---	1.15	Arlon SQA-TMS-024

<u>Product Physical Properties</u>	<u>Value</u>	<u>Method</u>
Dielectric Strength volts/mil	500	ASTM D 149
Bond Strength lb/in	3.0	MIL-I-46852C
Water absorption %	2.9	MIL-I-46852C

PROCESSING RECOMMENDATIONS

Product Shelf Life 12 months from DOM @ 75°F

*Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page.
It does not guarantee the product's usefulness in all applications.*

Product Operating Temperature -60 to +400°F

*The data presented in this document represent typical values for the production material.
The data should not be used to write, or in place of, material specifications.*

Last Revised May 13, 2016.