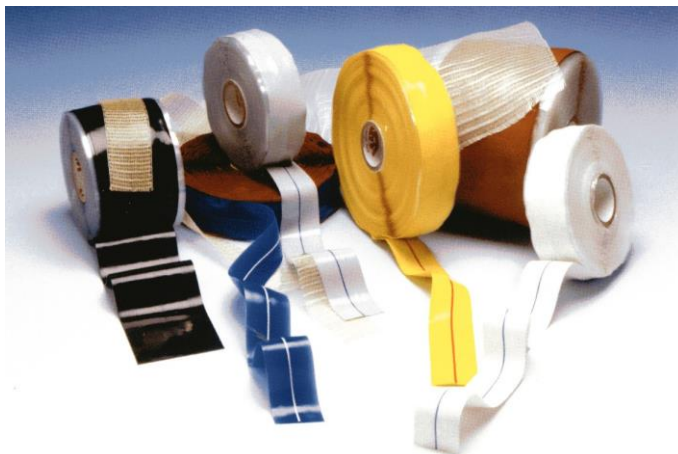


## Silicone tapes, self-fusing, Arlon- and MOX-Tape®

The self-fusing silicone tapes are produced from specially formulated silicone rubber. They bond irreversibly to provide an insulative barrier that is resistant to moisture, oxygen, ozone and corona over a wide temperature range (-54°C to + 260 °C). The tapes provide superior electrical insulation with a dielectric strength of 2kV/mm minimum at 180°C.



### Special Properties

- 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 labour time and cost.
- Dampens vibration.
- Resists heat and mechanical shock as well as corona.
- Inherently flame resistant and when burned forms a non-conductive ash.
- Flame Test according to FAR 25.853.

### Applications

#### Electrical

- Insulating and sealing electrical connections
- Insulating coil leads and bus bar connections
- Field coil connection
- Motor connections
- Overwrapping of deteriorated insulation in reclaimed motors
- Underground cable splices

#### Mechanical

- Protection of coils from vibration
- Harness wrapping and wire bundling, including for high temperature applications
- Corrosion protection
- Replaces Heat Shrinkable Tapes/Tubing
- Reliable sealing of all tubes and cables in automotive applications
- Sealing of water tubes, radiator tubes and pressure air tubes etc.

### Differences between Arlon-Tape and MOX-Tape®

MOX-Tapes fulfill the following approbations:

- |                                  |                            |
|----------------------------------|----------------------------|
| • MIL-I-46853C, Type I & Type II | • General Electric A50A493 |
| • A-A-59163, Type I & Type II    | • General Electric A50E112 |
| • MIL-I-22444C                   | • General Dynamics P5384   |
| • Boeing DSM2186 Type 1 & Type 2 | • Rohr RMS315              |
| • Lockheed Martin MMS J517       | • FAR 25.853               |
| • Lockheed Martin 5-00857        |                            |

## Self-fusing Silicone Tapes with Rectangular Cross Section



Product Description		Arlon series 9.. MOX series T10..		
These self-fusing silicone tapes have a rectangular cross section. After fusing the layers form small edges.				
Design / Construction				
Material	Cured fusible silicone rubber			
Standard color	red-brown ( other colours on demand )			
Dimensions				
Standard width	25,4 mm ( other width on demand )			
Standard thickness	0,51 mm = 20 mils ( other thickness on demand )			
Standard length	11 m = 12 yards			
Interleave	0,08 mm polyethylene carrier			
Silicone Compound Properties		Unit	Value	Method
Tensile Strength		N/mm <sup>2</sup>	79	ASTM D 412
Elongation		%	430	ASTM D 412
Durometer		Shore A	55	ASTM D 2240
Specific Gravity		---	1,17	Arlon SQA-TMS-024
Tape Properties				
Product Operating Temperature		°C	-54 bis +260	
Dielectric Strength		kV/mm	29	ASTM D 149
Water adsorption		%	2,8	MIL-I-46852C
Product Shelf Life	12 Months from Date of Manufacture @24° C			
Information				
<i>The above properties are published as a guide only, and should not be used for specifications without testing in your own laboratory.</i>				

**Minimum order quantity:**

stock item ●

SBAR502511RT  
all other items

10 rolls

72 rolls

**Item number:**SBARddbllxx or SBMRddbllxx  
example: SBMR502511RTSBAR = main number for Arlon tape rectangular  
SBMR = main number for MOX tape rectangular

dd = thickness 0,51 mm

bb = width 25,4 mm

ll = length 11 m

RT = colour red

## Self-fusing Silicone Tapes Level Wrap® with Triangular Cross Section



Product Description		Arlon series LW.. MOX series T20..	
<p>These self-fusing silicone tapes have a triangular cross section. Because of the triangular profile the layers form a smooth surface after fusing. The top of the triangle is coloured so that it can be easily recognized whether the following layer is precisely added to precedent one.</p>			
<b>Design / Construction</b>			
Material	Cured fusible silicone rubber		
<b>Dimensions</b>			
Standard width	25,4 mm ( other width on demand )		
Standard thickness	0,51 mm = 20 mils ( other thickness on demand )		
Standard length	11 m = 12 yards		
Interleave	0,08 mm polyethylene carrier		
Standard color	red-brown ( other colors on demand )		
<b>Silicone Compound Properties</b>			
	Unit	Value	Method
Thickness of ribbon		20	Arlon SQA-TMS-003
Tensile Strength	N/mm <sup>2</sup>	79	ASTM D 412
Elongation	%	400	ASTM D 412
Durometer	Shore A	55	ASTM D 2240
Specific Gravity	---	1,5	Arlon SQA-TMS-024
<b>Tape Properties</b>			
Product Operating Temperature	°C	-54 bis +260	
Dielectric Strength	kV/mm	> 20	ASTM D 149
Water adsorption	%	2.0	MIL-I-46852C
Product Shelf Life	12 Months from Date of Manufacture @24° C		
<b>Information</b>			
<p><i>The above properties are published as a guide only, and should not be used for specifications without testing in your own laboratory.</i></p>			

**Not available from stock**

**Minimum order quantity:**

200 rolls for Arlon tape serie LW

72 rolls for MOX tape serie T20

**Item number:**

SBADddbllxx or SBAMddbllxx

example: SBAD502511RT

SBAD = main number for Arlon tape triangular

SBAM = main number for MOX tape triangular

dd = thickness 0,51 mm

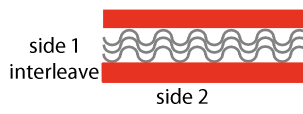
bb = width 25,4 mm

ll = length 11 m

xx = colour red

## Self-fusing Silicone Tapes with Fibre Glass Interleave



<b>Product Description</b>		Arlon series A30.. / A40.. MOX series T30.. / T40..		
These self-fusing silicone tapes contain an interleave with sinusoidally embedded glass fibres to limit the tape elongation and protect the tape from rupture. The tapes can be delivered with two different elongations: series A40.. / T40.. with 15 % series A30.. / T30.. with 25 %				
<b>Design / Construction</b>				
Side 1	Cured fusible silicone rubber			
Interleave	15 % / 25% sinusoidal glass fibres			
Side 2	Cured fusible silicone rubber			
Standard color	red-brown ( other colours on demand )			
<b>Dimensions</b>				
Standard width	25,4 mm ( other width on demand )			
Standard thickness	0,51 mm = 20 mils ( other thickness on demand )			
Standard length	11 m = 12 yards			
Interleave	0,02 mm polyester film			
<b>Silicone Compound Properties</b>		Unit	Value	Method
Tensile Strength	N/mm <sup>2</sup>	79	ASTM D 412	
Elongation	%	430	ASTM D 412	
Durometer	Shore A	55	ASTM D 2240	
Specific Gravity	---	1,2	Arlon SQA-TMS-024	
<b>Substrate Properties</b>				
Thickness	mm	0,2	Arlon SQA-TMS-003	
Color		white	---	
<b>Tape Properties</b>				
Product Operating Temperature	°C	-50 bis +240		
Dielectric Strength	kV/mm	> 26	ASTM D 149	
Elongation	%	15 for A40.. / T40.. 25 for A30.. / T30..	Arlon SQA-TMS-048	
Product Shelf Life	12 Months from Date of Manufacture @24° C			
<b>Information</b>				
<i>The above properties are published as a guide only, and should not be used for specifications without testing in your own laboratory.</i>				

### Not available from stock

### Minimum order quantity:

### Item number

72 rolls for all types

SBAV%%ddbllxx or SBMV%%ddbllxx

Example: SBMV15502511RT

SBAV = main number for Arlon-Tape with interleave

SBMV = main number for MOX-Tape with interleave

%% = elongation 15%

dd = thickness 0,51 mm

bb = width 25,4 mm

ll = length 11 m

RT = colour red