



TECHNICAL DATA SHEET

103 – Double Coated Foam Tape

Arlon Innovations 103 tapes are cross-linked polyolefin alloy foam tapes coated on both sides with an acrylic pressure-sensitive adhesive. 103 tapes are permanent and designed to have exceptional durability in demanding environments.

The acrylic adhesive has high cohesive strength making it excellent for permanent load-bearing applications. It has excellent resistance to UV light, heat and moisture degradation.

Arlon Innovations 103 foam tape is approved for medical applications.

PRODUCT ATTRIBUTES

- Permanent Bond
- Durable
- Suitable for many outdoor applications
- Resists degradation from UV light, heat and moisture
- Uses a cross-linked polyolefin alloy foam
- High bond strength on most materials, however not specifically recommended for low surface energy materials or other difficult to bond surfaces
- Approved for both medical and indirect food contact applications

STANDARD SIZES AND COLORS

THICKNESS	WIDTH	LENGTH	COLOR
1/32"	60"	216'	Black, White
1/16"	60"	108'	Black, White
1/8"	60"	54'	Black, White

**Custom sizes are available upon request.*

REPRESENTATIVE PHYSICAL PROPERTIES

PROPERTY	VALUE 1/16" FOAM	TEST METHOD
DENSITY	5 lb/cu ft	ASTM D – 1667
TACK @72°F	30+ oz/in (FT)	PSTC - 5
PEEL ADHESION @72°F on SS 15 minutes 24 hours	48+ oz/in (FT)	PSTC - 101
SHEAR ADHESION @72°F 1" x 1" x 1000g	200+ hours (NF)	PSTC - 107
PRODUCT CONSTRUCTION Liner Thickness Liner Basis Weight Adhesive type	3.0 mil 55 lb Solvent Rubber	

FT – Foam tears due to stronger adhesion A – Adhesive Failure C - Cohesive Failure NF – No Failure

Product performance will vary in each application and is dependent upon composite construction. Arlon Innovations does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of this product. Data is representative and not intended as a manufacturing specification.



Arlon Innovations 210.798.1900
 6110 Rittiman Road 800.549.9860
 San Antonio, TX 78218 arloninnovations.com

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GAUGE	WIDTH (*)	LENGTH	COLORS		FOAM DENSITY			LINERS	
			WHITE	BLACK	2#	3#	5#	KRAFT	PE
1/32"	60"	216'	●	●			●	●	○
1/16"	60"	108'	●	●		●		●	○
3/32"	60"	54'	○	○		○		○	○
1/8"	60"	54'	●	●	○	●		●	○

● - Standard, ○ - Available Option / Minimum Quantity Requirement
 (*58" Usable)

APPLICATION

- Arlon Innovations foam mounting tape must be applied with firm, uniform pressure to a clean, dry surface without stretching.
- Ensure that all surfaces are clean, dry and free from excessive dust prior to installation
- 15% minimal compression is recommended to provide an effective moisture seal.
- Recommended application temperature: 40°F to 100°F (for lower temperature applications, contact Arlon Innovations for additional information).
- Recommended service temperature: -40°F to 180°F

STORAGE

- Shelf Life: one (1) year
- Store in a clean area free from exposure to excessive heat, moisture or direct sunlight (44% to 55% relative humidity, 50°F to 80°F).

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