



TECHNICAL DATA SHEET

10C – Double Coated Foam Tape

Arlon Innovations 10C is a pressure-sensitive foam mounting tape with a highly aggressive solvent synthetic rubber adhesive. EVA cross-linked polyethylene copolymer foam provides superior strength and durability. 10C tape is suitable for use on polyethylene, polypropylene and other difficult to bond surfaces.

PRODUCT ATTRIBUTES

- Permanent Bond especially to low energy surfaces
- Suitable for use in applications where moisture resistance is required
- Combines good initial tack with high shear and peel strength
- High cohesive strength / high shear strength adhesive provides clean glue line
- Low density 1/8" foam provides good conformance to textured and rough surfaces

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	1/8" FOAM	1/16" FOAM	1/32" FOAM	TEST METHOD
DENSITY	3 lb/ft ³	3 lb/ft ³	5 lb/ft ³	ASTM D – 1667
HARDNESS			65 shore OO	ASTM D – 2240
FORCE TO COMPRESSION	6 psi (25%)	6 psi (25%)	9 psi (25%)	AAMA 810.1.08
COMPRESSION/DEFLECTION	7.4 psi	6.7 psi	10.7 psi	AAMA 810.1.08
COMPRESSION SET	1.3%	2.6%	2.0%	AAMA 810.1.08
WATER ABSORPTION	2.2% (by weight)	2.0% (by weight)	2.4% (by weight)	AAMA 810.1.08
THERMAL CONDUCTIVITY	0.27 BTU/(hr) (ft ²) (°F/in)	0.27 BTU/(hr) (ft ²) (°F/in)	0.32 BTU/(hr) (ft ²) (°F/in)	K factor @ 70°F
180° PEEL @72°F ON SS 15 minutes 24 hours	90+ oz/in (FT) 90+ oz/in (FT)	80+ oz/in (FT) 80+ oz/in (FT)	120+ oz/in (FT) 120+ oz/in (FT)	PSTC - 101

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.



TECHNICAL DATA SHEET

REPRESENTATIVE PHYSICAL PROPERTIES (Cont'd)

PROPERTY	1/8" FOAM	1/16" FOAM	1/32" FOAM	TEST METHOD
180° PEEL @72°F ON HDPE 15 minutes 24 hours	90+ oz/in (FT) 90+ oz/in (FT)	80+ oz/in (FT) 80+ oz/in (FT)	120+ oz/in (FT) 120+ oz/in (FT)	PSTC - 101
180° PEEL @72°F on PP 15 minutes 24 hours	90+ oz/in (FT) 90+ oz/in (FT)	80+ oz/in (FT) 80+ oz/in (FT)	120+ oz/in (FT) 120+ oz/in (FT)	PSTC - 101
SHEAR STRENGTH @72°F on SS	1000+ hours (NF)	1000+ hours (NF)	1000+ hours (NF)	PSTC - 107
LOOP TACK @72°F	80+ oz/in (FT)	80+ oz/in (FT)	80+ oz/in (FT)	PSTC - 5

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

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"	108'	○	○		○		○	○
1/8"	60"	108'	●	●	○	●		●	○
1/4"	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.
- 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 range: -20°F - 165°F.

STORAGE

- Shelf life: one (1) year from the date of shipment.
- 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).

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.