

ARR-102 Technical Information



Product	1.42 mil Arrow Clear Polyester Overlamine
Sales Code	ARR-102

Features and Applications

Excellent acid, chemical, oil and scuff resistance.
Provides the ultimate UV resistance, maintains vibrant colors and protects label from deterioration.
Ideal for bumper stickers, window decals and outdoor applications.
Meets UL standard 969; File number MH18515.

Physical Properties

Film	0.92 mil Clear Polyester (PET)
Adhesive	0.5 mil High Grade Clear Emulsion Acrylic
Total Construction	1.42 mil +/- 10%

Typical Technical Value

Film Elongation at Break	115 % MD	ASTM D882
Adhesion to Steel	9 oz/in 30 min conditioning	180° peel at 12 in/min
	16 oz/in 24 hr conditioning	180° peel at 12 in/min
		ASTM D3330/D3330M-04
Unwind Adhesion	13 oz/in 30 min conditioning	180° peel at 12 in/min ASTM D3811/D3811M-96
UV Absorbance (AU)	2.0 to 3.25	Between 200-380 nm wavelength
Application Temperature Rating	32°F to 150°F	
Service Temperature Rating	0°F to 300°F	

Roll Tolerance

Roll Length	+/- 5%
Roll Width	+/- 0.0625 in (1/16th in)
Storage and Handling	Two years when stored at 70°F and 50% relative humidity. Rolls must be transported and stored on protected surfaces. Use caution when placing or removing roll from mandrel.
Regulatory Compliance	RoHS, RoHS2, REACH, TSCA, CEPA, CONEG, California Proposition 65, FDA 21 CFR 175.105.

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use. Users of our products are solely responsible that the product is suitable for its intended application, and have determined such at their sole discretion. Users must comply with any applicable legislation and/or testing requirements for the finished article, and are responsible for bringing their products to market.