



TECHNICAL DATA SHEET

453 - High-Performance Adhesive

Arlon Innovations 453 transfer adhesive is a highly versatile permanent synthetic rubber pressure-sensitive adhesive coated directly onto a release liner. The liner is removed upon application, leaving only the adhesive. 453 transfer adhesive is an excellent choice for bonding to polyolefins and other low surface energy materials.

PRODUCT ATTRIBUTES

- High aggressive tack
- Excellent adhesion bond strength
- Excellent long-term shear strength
- Adheres well to plastics and low surface energy substrates
- Permanent bond
- Resistant to UV light and moisture

STANDARD SIZE

Roll Size: 54" wide x 750' length; custom sizes are available upon request.

REPRESENTATIVE PHYSICAL PROPERTIES, 302A (2 mil)		
PROPERTY	VALUE	TEST METHOD
TACK, @ 72°F	120 oz/in	PSTC-5
PEEL STRENGTH (180°) 15 min @RT on SS panels 24 hrs @RT on SS panels 15 min @RT on Polypropylene 24 hrs @RT on Polypropylene	160+ oz/in 160+ oz/in 40 oz/in minimum 60 oz/in minimum	PSTC-101
SHEAR STRENGTH 72°F, 1" x 1" x 1000g on SS	300+, hrs	PSTC-107
ADHESIVE THICKNESS ADHESIVE TYPE	2.0 mils Solvent Rubber	
RELEASE LINER	60# Differential paper liner	

Note: For all testing, transfer adhesive was laminated on 2.0 mils clear polyester.

APPLICATION

- Recommended application temperatures: 40°F to 100°F
- In-service temperature range: -20°F to 160°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.