

ARclean® W-5029 is a 2 mil (51 µm) clear polyester release liner with a tight release, thermally cured, solventless silicone coating on one side and is printable on the opposite side. ARclean® W-5029 is formulated and designed to have low extractables.

PRODUCT APPLICATIONS

Typical use for this product is as a support and protection film for non-silicone pressure-sensitive adhesives (PSAs) and cast materials requiring a tight release. ARclean® W-5029 is ideally suited for applications in medical and electronics where a clean and consistent removal of the release liner from the adhesive or coated material is required.

FEATURES AND BENEFITS

- Low extractable silicone surface prevents silicone contamination
- Tight release from PSAs, including acrylic, rubber, hot melt, hydrocolloid, and others
- Tight release from cast materials, including elastomers, foams, ceramics, and dispersions
- Narrow, consistent release profile preventing adhesive confusion
- Stable release properties, no “lock-up,” and consistent release force over time
- Green, environmentally friendly, solvent-free coatings
- Excellent thermal stability, aging resistance, and anchorage to the polyester base film
- Adhesives Research 5000 series silicone release liners meet the requirement of USP 661.1, Packaging Materials of Construction for Pharmaceutical Use
- Suitable for indirect skin and food contact, US FDA Drug Master File (21 CFR)
- Clean room application compatible
- Retains adhesion and backside printability without silicone contamination



Product Information Sheet

ARclean® W-5029



Technical Properties			
Attribute*	Typical Values*		Test Method*
Liner release (180°, 300 in/min, EL-90233)	100 g/2 in		ASTM D5375
Recommended storage of unconverted product	70°F ± 20°F 50% ± 20% RH	21°C ± 11°C 50% ± 20% RH	
Core type†	Fiber		
Wind†	Release coated side in		
Shelf life of unconverted product	Not to exceed one year from the date of manufacture		

*All stated values are nominal and should only be used as a guide for selection. They are not specifications.

†Reflects master roll conformation.

Note: The information contained on this data sheet is based upon test results of limited quantities of this material and may be modified by Adhesives Research following additional production experience and evaluation. This data should not be used in preparing specifications. Products identified as developmental may be subject to modification by Adhesives Research, Inc.

STORAGE OF LINERS

Customers should be aware of specific product shelf life. Shipping and storage conditions affect shelf life. The optimum storage temperature is 70°F (21°C). Cool, dry storage is recommended.

Consult your Adhesive Research sales representative if you need additional information.

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