

# Release Liners

## Product Overview



Adhesives Research (AR) custom designs and manufactures release liners to meet unique and specific customer requirements. Produced in a state-of-the art, clean room enclosed coater, up to 66" (1.67 m) wide, our release liners are used in distinctive medical, pharmaceutical, electronic and other end use technical applications where the highest quality, defect free materials are demanded.

Our coating capabilities offer unmatched versatility for producing high-end release coated films, with very consistent release force run-to-run with virtually zero silicone transfer. Custom narrow width slitting to 1" (25.4 mm) within a clean room adds to AR producing and shipping high end, high quality release films.

ARLiner 8000 series includes two-sided same and differential release force, including the combinations listed below as well as custom constructions including different release strengths, PET type, and 3 mil thicknesses.

### PLATFORM RELEASE FILMS

ARLiner Item Number	PET Thickness (Mils/Microns)	PET Type	Silicone Type	Release Strength	Peel Force (Grams/2")
W-4000	2 / 50	White	Thermal	Easy	5 - 20
W-4001	2 / 50	Clear	Thermal	Easy	5 - 20
W-4002	3 / 75	Clear	Thermal	Easy	5 - 20
W-4009	5 / 125	Clear	Thermal	Easy	5 - 20
W-5002	2 / 50	Clear	Thermal	Easy	5 - 25
W-5003	2 / 50	Clear	Thermal	Easy Medium	10 - 40
W-5004	2 / 50	Clear	Thermal	Medium Tight	30 - 70
W-5000	3 / 75	Clear	Thermal	Medium Tight	30 - 70
W-5005	2 / 50	Clear	Thermal	Tight	70 - 130
W-6000	2 / 50	Clear	UV	Easy Medium	10 - 40
W-6001	2 / 50	Clear	UV	Medium	30 - 60

### DOUBLE-SIDED RELEASE FILMS

ARLiner Item Number	PET Thickness (Mils/Microns)	PET Type	Silicone Type	Release Strength	Peel Force (Grams/2")
W-8008	2 / 50	White	UV / Thermal	Medium Tight / Easy	30-70 / 5-20
W-8009	2 / 50	Clear	UV / Thermal	Medium Tight / Easy	30-70 / 5-20
W-8010	2 / 50	Clear	Thermal / Thermal	Tight / Easy	70-130 / 5-20
W-8013	2 / 50	Clear	Thermal / Thermal	Easy / Easy	5-25 / 5-25
W-8018	2 / 50	Clear	UV / Thermal	Easy / Easy	10-40 / 5-20
W-8021	2 / 50	Clear	Thermal / Thermal	Medium Tight/ Easy	30-70 / 5-20
W-8022	2 / 50	Clear	Thermal / UV	Easy / Easy	5-25 / 10-40
W-8023	2 / 50	White	Thermal / UV	Easy / Easy	5-25 / 10-40

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### SPECIALTY RELEASE FILMS

ARLiner Item Number	PET Thickness (Mils/Microns)	PET Type	Silicone Type	Release Strength	Peel Force (Grams/2")
W-4008	2 / 50	Clear	Thermal - Low Extractable	Easy Medium	10 - 50
W-4010	2 / 50	Clear	Thermal - Ultra Low Extractable	Easy Medium	10 - 50
W-4013	3 / 75	Clear	Thermal - Ultra Low Extractable	Easy Medium	10 - 50
W-10002	2 / 50	Clear	Fluorosilicone	Easy	<35 <sup>(1)</sup> <25 <sup>(2)</sup>
W-10004	3 / 75	Clear	Fluorosilicone	Easy	<35 <sup>(2)</sup> <25 <sup>(2)</sup>

(1) Acrylic PSA, (2) Silicone PSA (Laminated)

**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.

#### APPLICATION AND STORAGE OF PRESSURE-SENSITIVE ADHESIVE TAPES

Pressure-sensitive adhesive tapes function as a mechanical product; however, the adhesive itself is a chemical composition that can be sensitive to environmental conditions. A purchaser of pressure-sensitive adhesive products should be aware of the shelf life of each product and not purchase more than it can use before the expiration date. Shipping and storage conditions affect shelf life. The optimum storage temperature is 70°F (21°C). Cool, dry storage is recommended.

#### For best results...

- 1) The surfaces you wish to bond should be clean and free of oil, moisture and dust. If the surface temperature is below 40°F, it may be difficult to achieve a proper bond.
- 2) Do not use a pressure-sensitive adhesive product where it will be exposed to temperatures lower or higher than those designated for each product. Heat can destroy the effectiveness of the bond and extreme cold can cause the adhesive to harden and not adhere properly.
- 3) When the tape is applied, use firm hand or lamination pressure to achieve contact between the adhesive and the surface to which it is applied. Hand rollers or nip rollers may be needed for certain products or applications.

Consult your AR sales representative if you need additional information.

#### THIS IS NOT AN OFFER

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AR limits the purchaser's remedies in the event of a breach of any warranty. The purchaser's exclusive remedy and AR's obligations for a breach of any warranty shall be as set forth in the Sales Order Acknowledgment.

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