

W-4010 is a 2 mil (50 micron) clear polyester ultra-low extractable silicone liner with an easy release, thermally-cured, solventless silicone coating on one side.

PRODUCT APPLICATIONS

The typical use for this product is for support and protection of PSAs requiring easy release with practically zero extractable silicone. Main applications include internal hard disc drive labels and bonding tapes, and medical adhesives.

FEATURES AND BENEFITS

- “Ultra-low” extractable silicone surface prevents silicone contamination
- Stable easy release properties with no “lock up” and consistent release force run-to-run
- No loss of adhesion and backside printability properties due to silicone contamination
- Chemistry and process assures excellent thermal stability, aging resistance and anchorage to polyester base film
- Green, eco-friendly solventless coatings
- Suitable for indirect skin and food contact, included in US FDA Drug Master File (21 CFR)
- Compatible with clean room applications
- Dimensionally stable, flat, smooth PET base with excellent die-cut properties
- Narrow width slitting to 1” available

Technical Properties				
Attribute*		Typical Values*		Test Method*
Liner release ¹		~20 grams/1 inch		180 degree, 300 ipm
Extractable Silicone	Release Side Back Side	5 ng/cm ² (Range <20 ng/cm ²) 5 ng/cm ² (Range <20 ng/cm ²)		FTIR Extractable Silicones
Ionic Contamination Specification Limits (µg/cm ²)		≤0.05 - Fluoride, Chloride, Nitrite, Bromide, Nitrate, Phosphate, Sulfate, ≤0.20 - Total Anions (7) ≤0.16 - Ammonium, ≤0.20 - Total Cations (6)		Ion Chromatography
Recommended storage of unconverted product		70°F ± 20°F 50% ± 20% RH	21°C ± 11°C 50% ± 20% RH	
Shelf life of unconverted product		Not to exceed two years from date of manufacture		

¹Utilizing AR EL-8883 acrylic test tape.

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

Product Information Sheet

W-4010



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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