

Product Information Sheet

W-5030 (Developmental)



W-5030 is a 2 mil (51 micron) clear polyester ultra-low extractable silicone liner with a medium-tight 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 medium-tight release with practically zero extractable silicone. Main applications include internal hard disc drive adhesives and bonding tapes, and medical adhesives.

FEATURES AND BENEFITS

- “Ultra-low” extractable silicone surface prevents silicone contamination
- 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
- 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		54 grams/2 inch		180 degree, 300 ipm
Extractable Silicone	Release Side Back Side	4 ng/cm ² (Range <20 ng/cm ²) 3 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 one year 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.

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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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North America – Headquarters

Adhesives Research, Inc.
400 Seaks Run Road
Glen Rock, PA 17327
Phone: +1 (717) 235-7979
Toll-free: +1 (800) 445-6240
Fax: +1 (717) 235-8320

Europe

Adhesives Research Ireland, Ltd.
Raheen Business Park
Raheen, Limerick
V94 VH22 Ireland
Phone: +353 61 300 300
Fax: +353 61 300 700

China

Adhesives Research China Co., Ltd.
Room 2710-2711, Building B
Far Glory International Square
No. 317 Xianxia Road
Shanghai, China 200051
Phone: +86 (21) 6150 4358
Fax: +86 21 6278 5576

Singapore

Adhesives Research PTE Ltd.
1 Paya Lebar Link
#04-01 Paya Lebar Quarter 1
Singapore 408533
Phone: +65 6955 8528
Fax: +65 6777 7261