

EL-92524

Developmental Optically Clear Transfer Film



PRODUCT DESCRIPTION

EL-92524 is a 1 mil transfer adhesive incorporating an optically clear adhesive.

FEATURES

- High shear
- Peel strength
- Optically clear

BENEFITS

- Virtually defect free bonding
- Long term durability
- Environmentally durable - resists temperature extremes, humidity and UV light
- Easy, mess free processing and bonding

PRODUCT APPLICATIONS

Suggested for use as a general purpose laminating adhesive for glass mounting and screen protection. It is not intended for use in contact with ITO surfaces or applications where corrosion is a concern. The adhesive performs exceptionally well when laminated to plastic substrates like PMMA or PC. Users should test the product to ensure it meets the specific needs of their application(s). Adhesives Research can tailor the product to meet the needs of specific applications as requested by customers.

PRODUCT PROFILE AND DIAGRAM

Test Methods

Optically Clear Polyester Release Liner:	50 µm
Adhesive:	25 µm
Optically Clear Polyester Release Liner:	50 µm
Total:	125 µm nominal

PSTC-133, ART #5006



ADHESIVE PERFORMANCE PROPERTIES

Test Methods

180° Peel Adhesion/12" min., 5 min. dwell time at room temperature to SS:	14.5 N/25mm (53 oz/in)	PSTC-101, ART #1005, LTM #0092
500g. Room Temperature Shear to SS:	> 1000 min.	ART #2054, LTM #0001
Liner Release:	14 g/50 mm easy 36 g/50 mm tight	ART #1034, ART #1031, ART #4064, LTM #0008
Optical Properties:		LTM #0093
Transmission:	> 99%	
Clarity:	> 98%	
Haze:	< 0.5%	

EL-92524

Developmental Optically Clear Transfer Film



STORAGE AND SHELF LIFE

One year from date of manufacture when stored at 70°F (21°C).

SERVICE TEMPERATURE RANGES

Minimum Application Temperature: 50°F (10°C)
 Service Temperature Range: -40°F to 200°F

(13 April 2012)

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.

WARRANTY AND DISCLAIMER

AR expressly warrants to Purchaser that its product, under normal and intended use maintenance and storage, is free from defects in workmanship for twelve (12) months from the date of shipment, unless otherwise stated. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES. **AR MAKES NO WARRANTY AS TO EXPERIMENTAL AND DEVELOPMENTAL SAMPLES OR MATERIALS. AR MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No provisions, representations, diagrams, drawings or pictures contained in any product literature, price list, catalogue, purchase order, product data sheet, order acknowledgment, invoice, delivery ticket, or any other communication by AR, including information on AR's website or representations made by AR's employees or agents, constitute express warranties. Results of tests and recommendations included in communications of AR do not constitute express warranties. SINCE MANY FACTORS MAY AFFECT THE USE AND PERFORMANCE OF AN AR PRODUCT IN A PARTICULAR APPLICATION, INCLUDING, AMONG OTHERS, THE PRODUCT SELECTED FOR USE, THE CONDITIONS IN WHICH THE PRODUCT IS USED, THE TIME AND ENVIRONMENTAL CONDITIONS IN WHICH THE PRODUCT IS EXPECTED TO PERFORM, THE MATERIALS TO BE USED WITH THE PRODUCT, THE SURFACE PREPARATION OF THOSE MATERIALS, AND THE APPLICATION METHOD FOR THE PRODUCT, PURCHASER ACCEPTS RESPONSIBILITY FOR DETERMINING WHETHER AR'S PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR PURCHASER'S METHOD OF APPLICATION. AR retains the right to modify or change its products if in AR's judgment it is advisable.

Purchaser's exclusive remedy and AR's sole obligation for any breach of warranty is limited to, at AR's option, either: 1) replacement of AR's product, or 2) reimbursement of the purchase price of AR's product. **AR DISCLAIMS ANY OTHER OBLIGATION OR LIABILITIES ARISING OUT OF BREACH OF WARRANTY.** AR will not be liable of any loss, damage, expense or consequential, incidental or special damages of any kind.

ARclad® is a registered trademark of Adhesives Research. Insight® is a registered service mark of Adhesives Research, Inc. Adhesives Research® is a registered trademark of Adhesives Research, Inc. for engineering and design services in the field of pressure-sensitive adhesive systems.

©2012 Adhesives Research, Inc. Printed in USA.

Internet: www.adhesivesresearch.com

Adhesives Research, Inc.
 400 Seaks Run Road, P.O. Box 100
 Glen Rock, PA 17327
 Toll-free: 800-445-6240
 Phone: 717-235-7979
 Fax: 717-235-8320

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

Adhesives Research Ltd.
 The Old Exchange, Mill Lane
 Great Dunmow, Essex, UK CM6 1BG
 Phone: +44 (0)1371 856300
 Fax: +44 (0)1371 856380

Adhesives Research Pte. Ltd.
 20 Maxwell Road
 #10-06 Maxwell House
 Singapore 069113
 Phone: +65 6774 9580
 Fax: +65 6777 7261

Adhesives Research Shanghai Representative Office
 Unit 3526A, Level 35 CITIC Square
 1168 West Nanjing Road
 Shanghai 200041, China
 Phone: +86 21 6150 4358
 Fax: +86 21 6135 7120