

ARcare[®] 92524

Optically Clear Transfer Film



PRODUCT DESCRIPTION

ARcare[®] 92524 is a 1 mil transfer adhesive incorporating an optically clear adhesive.

FEATURES

- High shear
- Peel strength
- Optically clear

BENEFITS

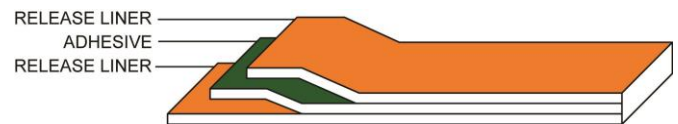
- Virtually defect free bonding
- Long term durability
- Environmentally durable - resists temperature extremes, humidity and UV light
- Easy, mess free processing and bonding

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. All pressure-sensitive tapes require an application surface that is clean and dry. Users should assure the product 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

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



Test Methods: PSTC-133, ART #5006

ADHESIVE PERFORMANCE PROPERTIES - Typical Values*

		<u>Test Methods</u>
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 64 g/50 mm tight	ART #1034, ART #1031, LTM #0008
Optical Properties:		ART #4064, LTM #0093
Transmission:	> 99%	
Clarity:	> 98%	
Haze:	< 0.5%	

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

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STORAGE AND SHELF LIFE

Unconverted product should be stored at 70°F ± 20°F (21°C ± 11°C) and 50% ± 20% relative humidity, out of direct sunlight. The shelf life of the product is not to exceed two years from date of manufacture.

SERVICE TEMPERATURE RANGES

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

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.

(Revised 1 March 2019)

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 Adhesives Research 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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Internet: www.adhesivesresearch.com

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

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

Adhesives Research Ltd.
United Kingdom
Phone: +44 (0)1371 878187

Adhesives Research Pte. Ltd.
60 Paya Lebar Road
#04-04 Paya Lebar Square
Singapore 409051
Phone: +65 6774 9580
Fax: +65 6777 7261

Adhesives Research China Co., Ltd.
703B Xin Da Mansion
#322 Xian Xia Road
Shanghai 200335, China
Phone: +86 21 6150 4358
Fax: +86 21 6278 5576