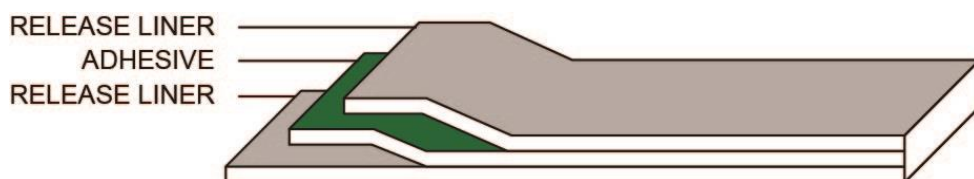


ARclear® 93408 is an optically clear, high peel, thick silicone pressure-sensitive adhesive.

PRODUCT APPLICATIONS

The typical use for this product is for bonding of flexible-to-flexible or flexible-to-rigid optical components such as backlights, polarizers, filters, retarders and diffusers, and holographic, anti-reflective and hardcoated films as used in projection screens, touch screens, LCDs and flat panel displays.



FEATURES AND BENEFITS

- Low haze, high clarity and high light transmission
- Silicone adhesives provide a broad range of usage temperatures, often functional between -70°C to over 250°C
- High adhesion to glass, PMMA and polarizer substrates
- Long term durability
- Environmentally durable – resists temperature extremes, humidity and UV light

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	51 µm	Clear polyester liner – easy release
Adhesive thickness	6.0 mil	152 µm	Silicone OCA adhesive
Liner thickness	4.0 mil	102 µm	Clear polyester liner – tight release
Total thickness	6.0 mil	152 µm	(Excluding liner)

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

Product Information Sheet

ARclear® 93408 (Developmental)



Technical Properties			
Attribute*	Typical Values*		Test Method*
Transmission	100%		Haze Meter – ART 4064
Haze	0.43%		Haze Meter – ART 4064
Clarity	99.0%		Haze Meter – ART 4064
a*	0.03		UV-Vis with 60 mm Integrating Sphere – 380 to 780 nm; D65 Illuminant; 10° Standard Observer Angle
b*	0.45		
L*	99.68		
Yellowness Index (YI)	0.85		ASTM E313
Peel to Glass	86 oz/inch	24 N/25mm	180 degrees, 12 ipm, 1 hr. dwell
Refractive Index	1.416		ART 15131
Release of 2 mil liner (easy)	10 g/2"		180 degrees, 300 ipm
Release of 4 mil liner (tight)	20 g/2"		180 degrees, 300 ipm
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		

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

Product Information Sheet

ARclear® 93408 (Developmental)



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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