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# Norland Optical Adhesive NOA 144, 1 oz. Application Bottle

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Norland Optical Adhesive NOA 144, 1 oz. Application Bottle

Stock **#17-358** [CONTACT US](#)

-

1

+

**\$168**<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | <b>\$168.00</b> each          |
| Qty 5-11       | <b>\$151.20</b> each          |
| Qty 12+        | <b>\$143.64</b> each          |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General  |                 |
|----------|-----------------|
| 1        | Size (oz):      |
| 144      | Norland Number: |
| 4 months | Shelf Life:     |
|          | Type:           |

|                                    |                                            |
|------------------------------------|--------------------------------------------|
| Bottle                             |                                            |
| Bonding glass to glass             | Typical Applications:                      |
| Optical Properties                 |                                            |
| 1.44 @ 589nm                       | Index of Refraction (n <sub>d</sub> ):     |
| 315 - 395                          | Absorption Range (nm):                     |
| Material Properties                |                                            |
| Excellent                          | Glass Bonding:                             |
| Good                               | Metal Bonding:                             |
| Fair                               | Plastic Bonding:                           |
| 45 - 60                            | Viscosity (cps):                           |
| Glass to Glass                     | Bonding Type:                              |
| 6                                  | Energy for Full Cure (J/cm <sup>2</sup> ): |
| Environmental & Durability Factors |                                            |
| Soft                               | Durability:                                |
| Regulatory Compliance              |                                            |
| Compliant                          | RoHS 2015:                                 |
| View                               | Certificate of Conformance:                |
| Compliant                          | Reach 251:                                 |

## Product Details

- Excellent Optical Qualities
- Adhesives for Glass, Metal, and Plastic Bonding
- Cure Quickly when Exposed to UV Light
- [Preloaded Norland Optical Adhesive Syringes](#) Also Available

Norland Optical Adhesives are clear, solvent-free optical adhesives designed to fully cure in only minutes when exposed to ultraviolet light. These adhesives are used in precision alignment or positioning applications that require a robust and resilient bond. Norland Optical Adhesives feature a variety of bonding types, including but not limited to glass to glass, glass to glass/metal, and plastic to plastic/glass. To use Norland Optical Adhesives, apply the adhesive to the optical surface, position the components, and use a [UV light source](#) to set the components in place. Since the adhesive will not cure until exposed to UV light, time can be taken during the positioning process to perfect product alignment.

## Technical Information

| NORLAND OPTICAL ADHESIVES (NOA) APPLICATION NOTES    |                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Title                                                | Description                                                                                                                       |
| <a href="#">Applying Adhesive</a>                    | Covers best practices to use when applying Norland Optical Adhesives to ensure an even adhesive layer while avoiding air bubbles. |
| <a href="#">Chemical Resistance of NOA</a>           | Covers the effects of various chemicals on Norland Optical Adhesives including acids, bases, and solvents.                        |
| <a href="#">Preventing Lens Separations with NOA</a> | Covers best practices to avoid adhesive failures when bonding optical elements.                                                   |
| <a href="#">Separating Lenses Bonded with NOA</a>    | Covers how to unbond optical elements bonded with Norland Optical Adhesives.                                                      |