

# Norland Optical Adhesive NOA 165H, 1 oz. Application Bottle

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Norland Optical Adhesive NOA 165H, 1 oz. Application Bottle

Stock **#17-362** **4 In Stock**

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1

+

S\$128<sup>.32</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | S\$128.32 each                |
| Qty 5+         | S\$121.66 each                |
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## SPECIFICATIONS

General

|      |                 |
|------|-----------------|
| 1    | Size (oz):      |
| 165H | Norland Number: |

|                                                                                                                                                                                            |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 4 months                                                                                                                                                                                   | Shelf Life:                                |
| Bottle                                                                                                                                                                                     | Type:                                      |
| Bonding glass to glass                                                                                                                                                                     | Typical Applications:                      |
| Heat curing (-H suffix) adhesives are oxygen inhibited. If used on the surface of a substrate, the adhesive will need to be cured under an inert atmosphere (like nitrogen) to fully cure. | Note:                                      |
| Optical Properties                                                                                                                                                                         |                                            |
| 1.65 @589nm                                                                                                                                                                                | Index of Refraction (n <sub>d</sub> ):     |
| 315 - 450                                                                                                                                                                                  | Absorption Range (nm):                     |
| Material Properties                                                                                                                                                                        |                                            |
| Excellent                                                                                                                                                                                  | Glass Bonding:                             |
| Excellent                                                                                                                                                                                  | Metal Bonding:                             |
| Excellent                                                                                                                                                                                  | Plastic Bonding:                           |
| 200 - 300                                                                                                                                                                                  | Viscosity (cps):                           |
| Glass to Glass                                                                                                                                                                             | Bonding Type:                              |
| 6                                                                                                                                                                                          | Energy for Full Cure (J/cm <sup>2</sup> ): |
| Environmental & Durability Factors                                                                                                                                                         |                                            |
| Soft & Flexible                                                                                                                                                                            | Durability:                                |
| Regulatory Compliance                                                                                                                                                                      |                                            |
| Compliant                                                                                                                                                                                  | RoHS 2015:                                 |
| View                                                                                                                                                                                       | Certificate of Conformance:                |
| Compliant                                                                                                                                                                                  | Reach 247:                                 |

## 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                                                                                                                       |
| Applying Adhesive                                 | Covers best practices to use when applying Norland Optical Adhesives to ensure an even adhesive layer while avoiding air bubbles. |
| Chemical Resistance of NOA                        | Covers the effects of various chemicals on Norland Optical Adhesives including acids, bases, and solvents.                        |
| Preventing Lens Separations with NOA              | Covers best practices to avoid adhesive failures when bonding optical elements.                                                   |
| Separating Lenses Bonded with NOA                 | Covers how to unbond optical elements bonded with Norland Optical Adhesives.                                                      |

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