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# Norland Optical Adhesive NOA 1665, 1 oz. Application Bottle

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1 oz. Application Bottle of NOA (NOA60 shown as an example)



Stock **#12-863** 2 In Stock

-

1

+

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

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | S\$168.00 each                |
| Qty 5-11       | S\$151.20 each                |
| Qty 12+        | S\$143.64 each                |
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Product Downloads

General

Size (oz):

1

Norland Number:

1665

|          |             |
|----------|-------------|
| 4 months | Shelf Life: |
| Bottle   | Type:       |

**Typical Applications:**  
High refractive index adhesive for bonding glass, plastics and metal.

Optical Properties

|               |                                        |
|---------------|----------------------------------------|
| 1.665 @ 589nm | Index of Refraction (n <sub>d</sub> ): |
| 315 - 450     | Absorption Range (nm):                 |

Material Properties

|                |                               |
|----------------|-------------------------------|
| Excellent      | Glass Bonding:                |
| Good           | Metal Bonding:                |
| Excellent      | Plastic Bonding:              |
| 800 - 1000     | Viscosity (cps):              |
| Glass to Glass | Bonding Type:                 |
| 6              | Energy for Full Cure (J/cm²): |

Environmental & Durability Factors

|          |             |
|----------|-------------|
| Flexible | 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                                                                                                                       |
| 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.                                                      |

