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# Norland Optical Adhesive NOA 170, 1 oz. Application Bottle

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Norland Optical Adhesive NOA 170, 1 oz. Application Bottle

Stock **#12-851** **3 In Stock**

-

1

+

₹23,850

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | ₹23,850 each                  |
| Qty 5+         | ₹22,689 each                  |
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Product Downloads

| General  |                 |
|----------|-----------------|
| 1        | Size (oz):      |
| 170      | Norland Number: |
| 4 months | Shelf Life:     |
| Bottle   | Type:           |

|                                                                                                                                             |                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Typical Applications:</b><br>High refractive index adhesive with higher viscosity for bonding glass or plastics. Contains nanoparticles. |                                                 |
| <b>Optical Properties</b>                                                                                                                   |                                                 |
| 1.70 @ 589nm                                                                                                                                | <b>Index of Refraction (n<sub>d</sub>):</b>     |
| 315 - 450                                                                                                                                   | <b>Absorption Range (nm):</b>                   |
| <b>Material Properties</b>                                                                                                                  |                                                 |
| Excellent                                                                                                                                   | <b>Glass Bonding:</b>                           |
| Good                                                                                                                                        | <b>Metal Bonding:</b>                           |
| Excellent                                                                                                                                   | <b>Plastic Bonding:</b>                         |
| 4500 - 5500                                                                                                                                 | <b>Viscosity (cps):</b>                         |
| Glass to Glass                                                                                                                              | <b>Bonding Type:</b>                            |
| 6                                                                                                                                           | <b>Energy for Full Cure (J/cm<sup>2</sup>):</b> |
| <b>Environmental &amp; Durability Factors</b>                                                                                               |                                                 |
| Hard & Brittle                                                                                                                              | <b>Durability:</b>                              |
| <b>Regulatory Compliance</b>                                                                                                                |                                                 |
| <a href="#">Compliant</a>                                                                                                                   | <b>RoHS 2015:</b>                               |
| <a href="#">View</a>                                                                                                                        | <b>Certificate of Conformance:</b>              |
| <a href="#">Compliant</a>                                                                                                                   | <b>Reach 251:</b>                               |
| United States                                                                                                                               | <b>Country of Origin:</b>                       |
| Edmund Optics India Private Limited                                                                                                         | <b>Imported By:</b>                             |

## 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.                                                      |

