

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

See More by [Norland](#)



Norland Optical Adhesive NOA 170F, 1 oz Application Bottle, #14-794

Stock **#14-794** 3 In Stock

-

1

+

€270<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | €270,00 each                  |
| Qty 5-11       | €243,00 each                  |
| Qty 12+        | €230,90 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

| General |                 |
|---------|-----------------|
| 1       | Size (oz):      |
| 170F    | Norland Number: |

|          |             |
|----------|-------------|
| 4 months | Shelf Life: |
|----------|-------------|

|                                                                                                                                                               |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Bottle                                                                                                                                                        | Type:                                      |
| <div>Typical Applications:</div> <div>High refractive index adhesive for bonding glass or plastics. More flexible than NOA 170. Contains nanoparticles.</div> |                                            |
| Optical Properties                                                                                                                                            |                                            |
| 1.70 @ 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 - 900                                                                                                                                                     | 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 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.                                                      |