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# Norland Optical Adhesive NOA 13685, 1 oz. Application Bottle

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Norland Optical Adhesive NOA 13685, 1 oz. Application Bottle

Stock **#12-854** **4 In Stock**

-

1

+

£96<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | £96.00 each                   |
| Qty 5-11       | £86.40 each                   |
| Qty 12+        | £82.08 each                   |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

| General  |                 |
|----------|-----------------|
| 1        | Size (oz):      |
| 13685    | Norland Number: |
| 4 months | Shelf Life:     |

|                                                                               |                                            |
|-------------------------------------------------------------------------------|--------------------------------------------|
| Bottle                                                                        | Type:                                      |
| Typical Applications:<br>Low viscosity adhesive for bonding glass or plastic. |                                            |
| Optical Properties                                                            |                                            |
| 1.3685 @589nm                                                                 | Index of Refraction (n <sub>d</sub> ):     |
| 315 - 395                                                                     | Absorption Range (nm):                     |
| Material Properties                                                           |                                            |
| Excellent                                                                     | Glass Bonding:                             |
| Good                                                                          | Metal Bonding:                             |
| Fair                                                                          | Plastic Bonding:                           |
| 15 - 25                                                                       | 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                                                                                                                       |
| 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.                                                      |