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Norland Optica n Bottle

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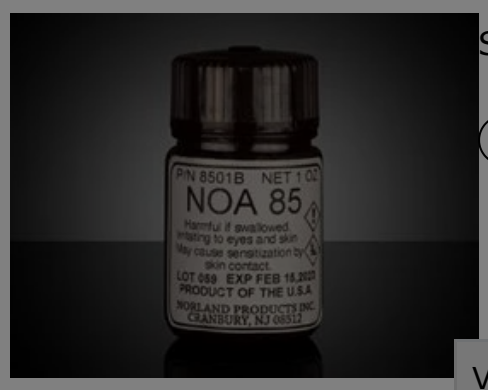

Norland Optical Adhesive NOA 85, 1 oz. Application Bottle

- 1 +

€90,50

ADD TO CART

Volume Pricing	
Qty 1-4	€90,50 each
Qty 5-11	€81,50 each
Qty 12+	€77,50 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- Safety Data Sheet
- Spec Sheets:pdf
- EO Spec Sheet

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General

Size (oz):	1	**Norland Number:**	85
Shelf Life:	6 months	**Type:**	Bottle
Typical Applications:	Simple curing process for glass and plastic substrates	**Cure:**	UV

Optical Properties

Index of Refraction (n_d):	1.46 @ 589nm	**Absorption Range (nm):**	320 - 380

Material Properties

Glass Bonding:	Excellent	**Metal Bonding:**	Fair
Plastic Bonding:	Excellent	**Viscosity (cps):**	200
Bonding Type:	Plastic to Plastic/Glass	**Energy for Full Cure (J/cm^2):**	3.5

Environmental & Durability Factors

Durability:	Slight flexibility		

Regulatory Compliance

RoHS 2015:	Compliant	**Certificate of Conformance:**	View
Reach 253:	Compliant		

Product Details

- Excellent Optical Qualities
- Adhesives for Glass, Metal, and Plastic Bo
- Cure Quickly when Exposed to UV Light
- **Preloaded Norland Optical Adhesive S**

Norland Optical Adhesives are clear, solvent-free ese adhesives are used in precision alignment or positioning applications that require ncluding but not limited to glass to glass, glass to glass/metal, and plastic to plastic/glass. T ponents, 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.

Norland Optical Adhesives are clear, solvent-free, one-part adhesives designed for precision optical bonding applications requiring excellent optical quality and a durable, low-stress bond.

These adhesives cure rapidly when exposed to UV light, gelling in seconds and fully curing in minutes, which allows users to precisely align lenses, prisms, filters, and other components before initiating cure.

They are widely used in photonics and optomechanical assembly for bonding glass-to-glass, glass-to-metal, and glass-to-plastic interfaces where fast, controlled positioning is critical.

Standard UV-curing formulations provide long working time since the adhesive remains liquid until exposed to UV, enabling high-precision alignment and simplified assembly workflows.

Select formulations with an "-H" suffix incorporate a secondary heat cure mechanism, allowing the adhesive to fully polymerize in shadowed areas or through opaque substrates where UV light cannot reach.

These heat-curable adhesives typically use a latent thermal catalyst (e.g., ~125 °C cure) to complete the cure and achieve maximum physical properties after initial UV fixation.

For product usage, apply the adhesive, align components, use UV light for initial set, and apply heat when required to ensure complete cure throughout the bond line, especially in complex geometries.

Important technical considerations include selecting the appropriate refractive index and bonding compatibility, as well as accounting for oxygen inhibition in heat-curing (-H) grades, which may require inert atmosphere curing for exposed surfaces.

Technical Information

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.

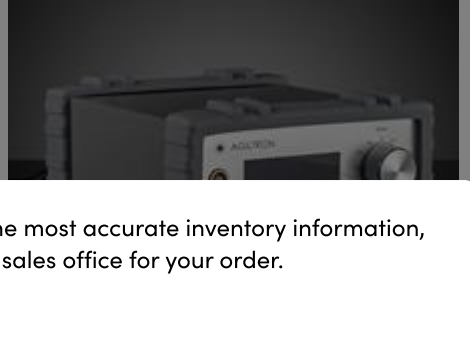
Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us **here**.

	Title	Compare	Stock Number	Price	Buy
MORE+	1 oz. Bottle Set of 6 Norland Optical Adhesives (NOA 60 - NOA 81)		#36-429	€222,00 Volume Pricing | Request Quote	2 In Stock 1

Related Products

Dispenser Barrels and Accessories



Preloaded Norland Optical Adhesive Syringes

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Frequently Purchased Together

#02-531 - 250µm, Optical Grade Plastic Optical Fiber Unjacketed

€1,00

Qty

#02-532 - 500µm, Optical Grade Plastic Optical Fiber Unjacketed

€1,50

Qty

#02-549 - 2000µm, Optical Grade Plastic Optical Fiber Unjacketed

€4,00

Qty

#32-593 - 6.7" x 6.7", 3" Focal Length, Fresnel Lens

€122,00

Qty

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