

[See all 78 Products in Family](#)

Preloaded Norland Optical Adhesive NOA 89H Dispensing Barrel (3cc)

See More by [Norland](#)



3cc Dispensing Barrel for NOA (NOA60 shown as an example)

Stock #17-393 **1 In Stock**

⊖ 1 ⊕ €27⁰⁰

ADD TO CART

Volume Pricing

Qty 1-4	€27,50 each
Qty 5-11	€24,80 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

0.1 **Size (oz):**

89H **Norland Number:**

4 months **Shelf Life:**

Type:

Barrel

Bonding glass to glass **Typical Applications:**

Note:
Heat curing (-H suffix) adhesives are oxygen inhibited. If used on the surface of a substrate, the adhesive will need to be cured under an inert atmosphere (like nitrogen) to fully cure.

Optical Properties

1.51 **Index of Refraction (n_d):**

310 - 395 **Absorption Range (nm):**

Material Properties

Excellent **Glass Bonding:**

Good **Metal Bonding:**

Fair **Plastic Bonding:**

15 - 20 **Viscosity (cps):**

Glass to Glass **Bonding Type:**

3.5 **Energy for Full Cure (J/cm^2):**

Environmental & Durability Factors

Soft **Durability:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 253:**

Product Details

- Dispensing Syringes Preloaded with 2 or 10g of Adhesive
- Adhesives for Glass, Metal, and Plastic Bonding
- Require a Dispensing Unit & Dispenser Tips for Use
- [Applicator and Bulk Bottles](#) of Norland Adhesive Also Available

Preloaded Norland Optical Adhesive Syringes are pneumatic dispensing syringes preloaded with either 2g or 10g of Norland Optical Adhesive. Norland Optical Adhesives are one-part, UV curing adhesives that are used for glass, metal, and plastic bonding. A range of adhesives are available to meet specific application requirements such as ML-A-3920 for defense applications, low outgassing for aerospace applications, or UV transmission for UV optical applications. Preloaded Norland Optical Adhesive Syringes require a [dispensing unit](#) and [dispensing tips](#) for use and are ideal for applications requiring precise control of the amount of applied adhesive. Applicators and Bulk Bottles of Norland Adhesive are also available.

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.

