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## Preloaded Norland Optical Adhesive NOA 160 Dispensing Barrel (10cc)

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10cc Dispensing Barrel for NOA (NOA60 shown as an example)

Stock #12-859 **2 In Stock**

⊖ 1 ⊕ €34<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-11	€34,00 each
Qty 12-19	€30,60 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

0.34 **Size (oz):**

160 **Norland Number:**

4 months **Shelf Life:**

**Type:**

Barrel

**Typical Applications:**

Higher viscosity, high refractive index adhesive for bonding glass to glass or plastic.

**Note:**

Contains 10g of adhesive

### Optical Properties

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

1.60 @ 589nm

**Absorption Range (nm):**

315 - 395

### Material Properties

**Glass Bonding:**

Excellent

**Metal Bonding:**

Good

**Plastic Bonding:**

Excellent

**Viscosity (cps):**

2200

**Bonding Type:**

Glass to Glass

**Energy for Full Cure (J/cm<sup>2</sup>):**

6

### Environmental & Durability Factors

**Durability:**

Soft & Rubbery

### Regulatory Compliance

**RoHS 2015:**

[Compliant](#)

**Certificate of Conformance:**

[View](#)

**Reach 253:**

[Compliant](#)

## 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
<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.

