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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** **1 In Stock**

⊖ 1 ⊕ **\$47<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-11	<b>\$47.60</b> each
Qty 12-19	<b>\$42.84</b> each
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### Product Downloads

### General

0.34	Size (oz):
160	Norland Number:
4 months	Shelf Life:
Barrel	Type:

**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 ( $J/cm^2$ ):**  
6

## Environmental & Durability Factors

**Durability:**  
Soft & Rubbery

## Regulatory Compliance

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

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

**Reach 251:**  
[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 MIL-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.