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# Preloaded Norland Optical Adhesive NOA 81 Dispensing Barrel (3cc)

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3cc Dispensing Barrel for NOA (NOA 60 shown as an example)

Stock #55-159 **2 In Stock**

1  MRP ₹2,921

**1** Price inclusive of all taxes

**ADD TO CART**

### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-11   | ₹2,921 each                   |
| Qty 12-19  | ₹2,634 each                   |
| Need More? | <a href="#">Request Quote</a> |

### Product Downloads

### General

0.1 **Size (oz):**

81 **Norland Number:**

4 months **Shelf Life:**

**Type:**

Barrel

**Typical Applications:**  
Extra fast curing adhesive for tacking Spot bonding or centering

**Note:**  
Contains 2g of adhesive

## Physical & Mechanical Properties

**Size (cc):**  
3.00

## Optical Properties

**Index of Refraction ( $n_d$ ):**  
1.56 @ 589nm

**Absorption Range (nm):**  
320 - 380

## Material Properties

**Glass Bonding:**  
Excellent

**Metal Bonding:**  
Excellent

**Plastic Bonding:**  
Fair

**Viscosity (cps):**  
300

**Bonding Type:**  
Glass to Glass/Metal

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

## Environmental & Durability Factors

**Durability:**  
Hard, Resilient

## Regulatory Compliance

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

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

**Reach 251:**  
[Compliant](#)

**Country of Origin:**  
United States

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## 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.  |