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# Norland Optical Adhesive NOA 63, 1 lb. Bottle

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Norland Optical Adhesive NOA63, 1 lb. Bottle

Stock **#16-778** **4 In Stock**

⊖ 1 ⊕ **\$453<sup>.00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-4	<b>\$453.60</b> each
Qty 5-11	<b>\$408.24</b> each
Qty 12+	<b>\$387.94</b> each
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Product Downloads

**General**

16	Size (oz):
63	Norland Number:
4 months	Shelf Life:
	Type:

Bottle

**Typical Applications:**

High viscosity adhesive useful for bonding U.V. opaque components by curing a bead or drop along edge. Cures well in thick sections.

**Cure:**

UV

### Optical Properties

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

1.56 @ 589nm

**Absorption Range (nm):**

350 - 380

### Material Properties

**Glass Bonding:**

Good

**Metal Bonding:**

Good

**Plastic Bonding:**

Fair

**Viscosity (cps):**

2500

**Bonding Type:**

Glass to Glass

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

4.5

### Environmental & Durability Factors

**Durability:**

Hard, Resilient

### Regulatory Compliance

**RoHS 2015:**

[Compliant](#)

**Certificate of Conformance:**

[View](#)

**Reach 251:**

[Compliant](#)

## Product Details

- Excellent Optical Qualities
- Adhesives for Glass, Metal, and Plastic Bonding
- Cure Quickly when Exposed to UV Light
- [Preloaded Norland Optical Adhesive Syringes](#) Also Available

Norland Optical Adhesives are clear, solvent-free optical adhesives designed to fully cure in only minutes when exposed to ultraviolet light. These adhesives are used in precision alignment or positioning applications that require a robust and resilient bond. Norland Optical Adhesives feature a variety of bonding types, including but not limited to glass to glass, glass to glass/metal, and plastic to plastic/glass. To use Norland Optical Adhesives, apply the adhesive to the optical surface, position the components, 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.

## 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.

