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## Norland Optical Adhesive NOA 148, 1 oz. Application Bottle

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Norland Optical Adhesive NOA 148, 1 oz. Application Bottle

Stock **#17-359** [CONTACT US](#)

⊖ 1 ⊕ €90<sup>50</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-4	€90,50 each
Qty 5-11	€81,50 each
Qty 12+	€77,50 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Size (oz):  
1

Norland Number:  
148

Shelf Life:  
4 months

Bottle	Type:
Bonding glass to glass	Typical Applications:
UV	Cure:
<b>Optical Properties</b>	
1.48 @ 589nm	Index of Refraction ( $n_d$ ):
315 - 395	Absorption Range (nm):
<b>Material Properties</b>	
Excellent	Glass Bonding:
Good	Metal Bonding:
Fair	Plastic Bonding:
300	Viscosity (cps):
Glass to Glass	Bonding Type:
6	Energy for Full Cure ( $J/cm^2$ ):
<b>Environmental &amp; Durability Factors</b>	
Soft	Durability:
<b>Regulatory Compliance</b>	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 251:

## 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.

