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# Preloaded Norland Optical Adhesive NOA 86TLH Dispensing Barrel (3cc)

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

Stock #14-795 [CONTACT US](#)

⊖ 1 ⊕ £22.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-11	£22.00 each
Qty 12-19	£19.84 each
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ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

0.1                      **Size (oz):**

86TLH                   **Norland Number:**

4 months              **Shelf Life:**

**Type:**

**Typical Applications:**

Higher viscosity optical adhesive meets Bellcore specification of 85C/85RH for bonding glass. Cured with UV, visible light and/or heat.

**Note:**

Heat curing (-H suffix) adhesives are oxygen inhibited. If used on the surface of a substrate, the adhesive will need to be cured under an inert atmosphere (like nitrogen) to fully cure.

**Optical Properties**

1.55 @ 589nm	<b>Index of Refraction (<math>n_d</math>):</b>
314 - 420	<b>Absorption Range (nm):</b>

**Material Properties**

Excellent	<b>Glass Bonding:</b>
Excellent	<b>Metal Bonding:</b>
Excellent/Good	<b>Plastic Bonding:</b>
8000 - 10,000	<b>Viscosity (cps):</b>
Glass to Glass/Metal	<b>Bonding Type:</b>
2.5	<b>Energy for Full Cure (J/cm<sup>2</sup>):</b>

**Environmental & Durability Factors**

Hard & Brittle	<b>Durability:</b>
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**Regulatory Compliance**

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 251:</b>

**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.

