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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** **2 In Stock**

-

1

+

€34<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-11       | €34,00 each                   |
| Qty 12-19      | €30,60 each                   |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

| General  |                 |
|----------|-----------------|
| 0.34     | Size (oz):      |
| 160      | Norland Number: |
| 4 months | Shelf Life:     |
|          | Type:           |

|                                                                                                                         |                                                 |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Barrel                                                                                                                  |                                                 |
| <b>Typical Applications:</b><br>Higher viscosity, high refractive index adhesive for bonding glass to glass or plastic. |                                                 |
| Contains 10g of adhesive                                                                                                | <b>Note:</b>                                    |
| <b>Optical Properties</b>                                                                                               |                                                 |
| 1.60 @ 589nm                                                                                                            | <b>Index of Refraction (n<sub>d</sub>):</b>     |
| 315 - 395                                                                                                               | <b>Absorption Range (nm):</b>                   |
| <b>Material Properties</b>                                                                                              |                                                 |
| Excellent                                                                                                               | <b>Glass Bonding:</b>                           |
| Good                                                                                                                    | <b>Metal Bonding:</b>                           |
| Excellent                                                                                                               | <b>Plastic Bonding:</b>                         |
| 2200                                                                                                                    | <b>Viscosity (cps):</b>                         |
| Glass to Glass                                                                                                          | <b>Bonding Type:</b>                            |
| 6                                                                                                                       | <b>Energy for Full Cure (J/cm<sup>2</sup>):</b> |
| <b>Environmental &amp; Durability Factors</b>                                                                           |                                                 |
| Soft & Rubbery                                                                                                          | <b>Durability:</b>                              |
| <b>Regulatory Compliance</b>                                                                                            |                                                 |
| <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 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.                                                      |