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# Preloaded Norland Optical Adhesive NOA 61 Dispensing Barrel (10cc)

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10cc Dispensing Barrel for NOA (NOA60 shown as an example)

Stock **#55-085** 20+ In Stock

-

1

+

S\$47<sup>.60</sup>

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| Volume Pricing |                               |
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| Qty 1-11       | S\$47.60 each                 |
| Qty 12-19      | S\$42.84 each                 |
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Product Downloads

| General  |                 |
|----------|-----------------|
| 0.34     | Size (oz):      |
| 61       | Norland Number: |
| 4 months | Shelf Life:     |
| Barrel   | Type:           |

|                                                                                                                                                                  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Typical Applications:</b><br>Preferred adhesive for precision optical bonding.<br>Meets MIL-A-3920. Low shrinkage and resiliency of adhesive minimizes strain |  |
| <b>Note:</b><br><br>Contains 10g of adhesive                                                                                                                     |  |
| <b>Physical &amp; Mechanical Properties</b>                                                                                                                      |  |
| <b>Size (cc):</b><br><br>10.00                                                                                                                                   |  |
| <b>Optical Properties</b>                                                                                                                                        |  |
| <b>Index of Refraction (n<sub>d</sub>):</b><br><br>1.56 @ 589nm                                                                                                  |  |
| <b>Absorption Range (nm):</b><br><br>320 - 380                                                                                                                   |  |
| <b>Material Properties</b>                                                                                                                                       |  |
| <b>Glass Bonding:</b><br><br>Excellent                                                                                                                           |  |
| <b>Metal Bonding:</b><br><br>Excellent                                                                                                                           |  |
| <b>Plastic Bonding:</b><br><br>Fair                                                                                                                              |  |
| <b>Viscosity (cps):</b><br><br>300                                                                                                                               |  |
| <b>Bonding Type:</b><br><br>Glass to Glass/Metal                                                                                                                 |  |
| <b>Energy for Full Cure (J/cm²):</b><br><br>3                                                                                                                    |  |
| <b>Environmental &amp; Durability Factors</b>                                                                                                                    |  |
| <b>Durability:</b><br><br>Tough                                                                                                                                  |  |
| <b>Regulatory Compliance</b>                                                                                                                                     |  |
| <b>RoHS 2015:</b><br><br><a href="#">Compliant</a>                                                                                                               |  |
| <b>Certificate of Conformance:</b><br><br><a href="#">View</a>                                                                                                   |  |
| <b>Reach 251:</b><br><br><a href="#">Compliant</a>                                                                                                               |  |

## 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.                                                      |

