See all 48 Products in Family

Norland Optical Adhesive NOA 65, 1 lb. Bottle

See More by Norland

Norland Optical Adhesive NOA65, 1 lb. Bottle

Stock **#16-779** **8 In Stock**

- 1 + **£259**.20

ADD TO CART

Volume Pricing	
Qty 1-4	**£259.20** each
Qty 5-11	**£233.28** each
Qty 12+	**£221.68** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Size (oz):	16
Norland Number:	65
Shelf Life:	4 months

Type:
Bottle

Typical Applications:
More flexible adhesive for extra low strain applications. Suitable for cold blocking applications.

Cure:
UV

Optical Properties

Index of Refraction (n_d):
1.52 @ 589nm

Absorption Range (nm):
350 - 380

Material Properties

Glass Bonding:
Good

Metal Bonding:
Good

Plastic Bonding:
Fair

Viscosity (cps):
1200

Bonding Type:
Glass to Glass/Metal

Energy for Full Cure (J/cm^2):
4.5

Environmental & Durability Factors

Durability:
Flexible

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 253:
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.

Norland Optical Adhesives are clear, solvent-free, one-part adhesives designed for precision optical bonding applications requiring excellent optical quality and a durable, low-stress bond.

These adhesives cure rapidly when exposed to UV light, gelling in seconds and fully curing in minutes, which allows users to precisely align lenses, prisms, filters, and other components before initiating cure.

They are widely used in photonics and optomechanical assembly for bonding glass-to-glass, glass-to-metal, and glass-to-plastic interfaces where fast, controlled positioning is critical.

Standard UV-curing formulations provide long working time since the adhesive remains liquid until exposed to UV, enabling high-precision alignment and simplified assembly workflows.

Select formulations with an “-H” suffix incorporate a secondary heat cure mechanism, allowing the adhesive to fully polymerize in shadowed areas or through opaque substrates where UV light cannot reach.

These heat-curable adhesives typically use a latent thermal catalyst (e.g., ~125 °C cure) to complete the cure and achieve maximum physical properties after initial UV fixation.

For product usage, apply the adhesive, align components, use UV light for initial set, and apply heat when required to ensure complete cure throughout the bond line, especially in complex geometries.

Important technical considerations include selecting the appropriate refractive index and bonding compatibility, as well as accounting for oxygen inhibition in heat-curing (-H) grades, which may require inert atmosphere curing for exposed surfaces.

Technical Information

NORLAND OPTICAL ADHESIVES (NOA) APPLICATION NOTES	
Title	Description
Applying Adhesive	Covers best practices to use when applying Norland Optical Adhesives to ensure an even adhesive layer while avoiding air bubbles.
Chemical Resistance of NOA	Covers the effects of various chemicals on Norland Optical Adhesives including acids, bases, and solvents.
Preventing Lens Separations with NOA	Covers best practices to avoid adhesive failures when bonding optical elements.
Separating Lenses Bonded with NOA	Covers how to unbond optical elements bonded with Norland Optical Adhesives.

;