

UV Curing Blocking Adhesive

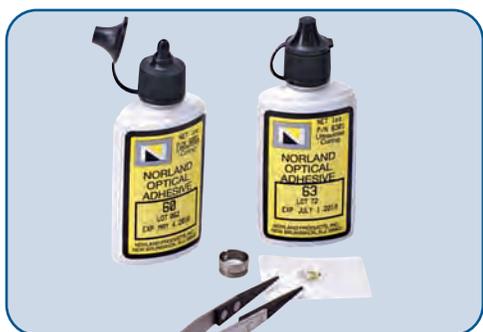
NBA107 is a single component, UV curing adhesive used to temporarily bond optical components to metal polishing fixtures. The adhesive cures by exposure to UV light, thus eliminating the heat-induced strain typical of hot-pitch mounting methods. Deblocking (removal of the optic) is accomplished by immersing the optic in warm water (80 °C).

- Temporary Bonding of Optics to Metal
- Ideal for Polishing Applications
- Cure with UV Light
- Remove with Warm Water



ITEM #	\$	£	€	RMB	DESCRIPTION
NBA107	\$ 87.00	£ 62.64	€ 75,69	¥ 693.39	UV Curing Block Adhesive

UV Curing Optical Adhesives



Norland Optical Adhesives are clear, one-part adhesives that do not contain solvents. When exposed to UV light (see page 408 for a UV-curing lamp), they gel in seconds and completely cure in minutes to give a tough, resilient bond. Each of the six formulas listed below has been optimized to provide excellent bonding for specific applications. Please note that NOA60 is only available as part of the K6-NOA kit.

- Low Shrinkage and Low Stress
- Strong Glass-to-Metal Bonds
- Recommended UV Curing Intensity is >2 mW/cm² @ 365 nm
- 1 oz Dispenser Bottle

NOA60, which is only available in the K6-NOA kit, is typically used as a mounting cement for lenses, for the assembly of doublets and prisms, or for mounting components between two pieces of glass or methacrylate plastic. Due to its excellent insulating properties, NOA60 can also be used as a protective overcoat on electrical components.

NOA61 is designed to give the best possible bond to glass surfaces. It meets Federal Specification MIL-A-3920 for optical adhesives and is approved for use on all government contracts specifying such adhesives. This item has excellent adhesion to metal, fiberglass, and glass-filled plastics.

NOA63 can be used for bonding achromats, prisms, and all other precision compound optics. This adhesive is characterized by low fluorescence, excellent UV transmission, low shrinkage, and slight resiliency, which minimizes strain. It is also suitable for bonding glass to metal and cures well in thick sections.

NOA65, when cured, is a very flexible adhesive designed to minimize strain, even when used to bond dissimilar materials possessing different coefficients of thermal expansion. It is especially suitable for relatively thick adhesive cross sections. Typical applications include potting of lenses in metal mounts and bonding plastic to glass. In addition, this adhesive is also suitable as a blocking cement for temporary mounting on polishing blocks.

NOA68 is a flexible adhesive designed to give improved adhesion to many plastics such as acrylic, polycarbonate, and CAB. Suggested uses for NOA68 include bonding compound plastic lenses, laminating polarized film between glass or plastic, mounting lenses in metal or plastic mounts, and bonding cover glasses onto plastic optics.

NOA81 is an adhesive that cures extremely quickly. Although NOA81 has similar qualities to NOA61, it cures three to five times faster and provides a stronger bond. This adhesive is recommended for applications that require extra toughness or rapid curing.

K6-NOA is a kit that includes all six UV curable adhesives above and application data.

ITEM #	\$	£	€	RMB	RECOMMENDED USE	ADHESION TO			VISCOSITY @ 25 °C	COLOR	REFRACTIVE INDEX	TENSILE (PSI)	SHORE D HARDNESS
						GLASS	METAL	PLASTIC					
NOA61	\$ 27.60	£ 19.87	€ 24,01	¥ 219.97	Preferred optical adhesive with low shrinkage and resiliency	Excellent	Excellent	Fair	300 CPS	Clear	1.56	3,000	85
NOA63	\$ 27.60	£ 19.87	€ 24,01	¥ 219.97	Bond components by curing a hard, resilient, thick bead along an edge	Good	Good	Fair	2,000 CPS	Clear	1.56	5,000	90
NOA65	\$ 27.60	£ 19.87	€ 24,01	¥ 219.97	Flexible adhesive suitable for low strain applications and cold blocking	Good	Good	Fair	1,200 CPS	Clear	1.52	1,500	50
NOA68	\$ 27.60	£ 19.87	€ 24,01	¥ 219.97	Flexible bond, ideal for plastics such as polycarbonate, CAB, and acrylic	Excellent	Good	Good to Excellent	5,000 CPS	Clear	1.54	2,500	60
NOA81	\$ 27.60	£ 19.87	€ 24,01	¥ 219.97	Fast curing adhesive for tacking, provides a hard resilient bond	Excellent	Excellent	Fair	300 CPS	Clear	1.56	3,000	90
K6-NOA	\$168.00	£120.96	€146,16	¥1,338.96	This adhesive kit contains all five of the UV curable adhesives above as well as the NOA60 adhesive and application data for each adhesive.								

*Meets MIL-A-3920 Federal Specification for optical adhesives

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