



# NORLAND PRODUCTS INCORPORATED

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## NORLAND OPTICAL ADHESIVE 142

Norland Optical Adhesive 142 is clear liquid adhesive that will cure when exposed long wavelength ultraviolet light. NOA 142 is recommended for bonding for glass to glass. Adhesion is also good to cellulose acetate butyrate. NOA 142 is cured by ultraviolet light between 315 and 395 nm. Peak absorption is 365nm. Full cure requires 6 Joules/cm<sup>2</sup> of UV energy. The adhesive exhibits oxygen inhibition and must be cured under an inert atmosphere if used as a coating to assure surface is tack free.

### Typical Properties of NOA 142

Refractive Index cured Polymer	1.42
Viscosity at 25°C	20-30 cps
Color	Clear
Shore D Hardness	70
Temperature Range	-15C to 90C

Keep NOA 142 in a cool (5-22°C) dark place. If refrigerated, allow the adhesive to come to room temperature before using.

Care should be taken in handling this material. The material Safety Data Sheet should be read for this product. Prolonged contact with skin should be avoided and affected areas should be washed thoroughly with copious amounts of soap and water. If adhesive gets into eyes, flush with water for 15 minutes and seek medical attention.