

# NORLAND PRODUCTS INCORPORATED

1095 Cranbury South River Road, Suite 20, Jamesburg, NJ 08831

Tel • 609-395-1966

Fax • 609-395-9006

## Norland Optical Adhesive 144

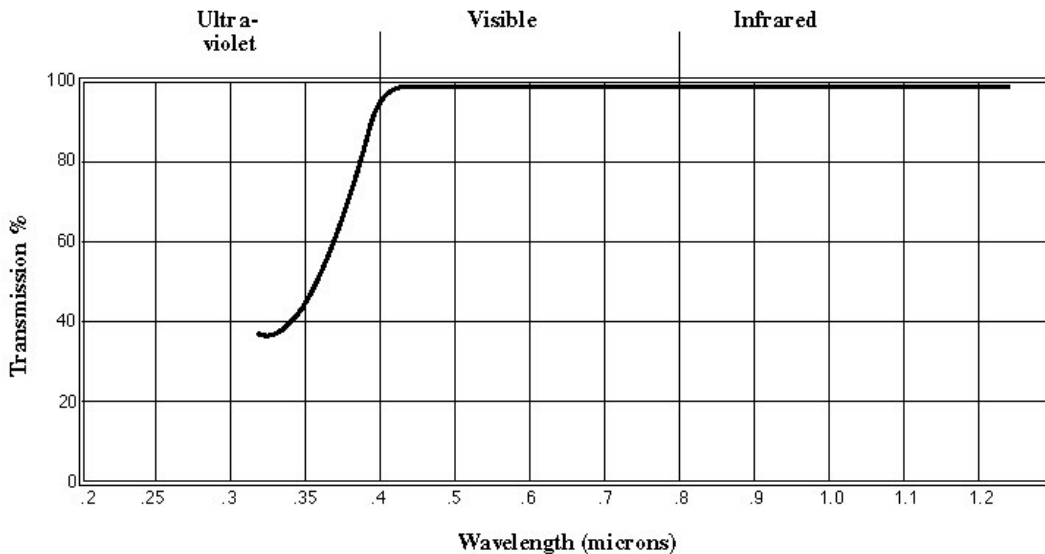
Norland Optical Adhesive 144 is clear liquid adhesive that will cure when exposed long wavelength ultraviolet light. NOA 144 is recommended for bonding for glass to glass. Adhesion is also good to cellulose acetate butyrate. NOA 144 is cured by ultraviolet light between 315 to 395 nm. Full cure requires 6 Joules/cm<sup>2</sup>. The adhesive exhibits oxygen inhibition when used as a coating. To overcome this, the adhesive must be cured under an inert atmosphere, such as nitrogen.

### Typical Properties of NOA 144

Refractive Index	1.44
Temperature Range	-15 C to 90° C
Viscosity @ 25C	1500-2000 cps

Keep NOA 144 in a cool(5-22 ° C) dark place. If refrigerated, allow the adhesive to come to room temperature before using.

### Spectral Transmission of NOA 144



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.

The data contained in this technical data sheet is of a general nature and is based on laboratory test conditions. Norland Products does not warrant the data contained in this data sheet. Norland does not assume responsibility for test or performance results obtained by users. It is the users responsibility to determine the suitability for their product application, purposes and the suitability for use in the user's intended manufacturing apparatus and methods. The user should adopt such precautions and use guidelines as may be reasonably advisable or necessary for the protection of property and persons. Nothing in this technical data sheet shall act as a representation that the product use or application will not infringe a patent owned by someone other than Norland Products or act as a grant of a license under any Norland Products Inc patent. Norland Products recommends that each user test its proposed use and application before putting into production.