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NORLAND OPTICAL ADHESIVE 165HC

Norland Optical Adhesive 165HC is a clear and slightly yellow tinted liquid adhesive that will cure to a clear film when exposed to long wave ultraviolet and/or visible light. NOA 165HC is recommended for bonding glass to glass. Adhesion is also good to cellulose acetate butyrate and polycarbonate. This adhesive when fully cured is very rigid and brittle. NOA 165HC can be cured with ultraviolet light from 315nm to 395nm. Peak absorption is at 365nm. It can also be cured with visible light from 400nm to 450nm. Full cure requires 6 Joules/cm². The NOA 165HC can withstand temperatures from -15°C to 125 °C.

If used as a coating or exposed to air, the adhesive will need to be cured under a nitrogen atmosphere to prevent the surface from remaining tacky due to oxygen inhibition.

Typical Properties of NOA 165HC

| | |
|-----------------------------------|---------|
| Viscosities at 25°C | 500 cps |
| Color of Cured Polymer | Clear |
| Refractive Index of Cured Polymer | 1.65 |
| Shore D | 65 |

Keep NOA 165HC in a cool (5-25°C) dark place. If refrigerated, allow the adhesive to come to room temperature before using.

Caution 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.