



## Customized Adhesive Solutions

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# NGAC P907-91

# Technical Bulletin

## Chemically & Temperature Resistant and Long Pot Life Optical Adhesive

### **Description:**

NGAC P907-91 is a low viscosity and optically clear adhesive specifically formulated for optical applications where chemical and temperature resistance are critical.

### **Advantages and Applications:**

This epoxy adhesive provides excellent moisture resistance, a high glass transition temperature and a very long pot life. It is extremely resistant to yellowing. Uses include a wide range of optical assembly and photonic applications.

NGAC P907-91 features the following characteristics that enable ease of use.

For additional information or assistance, please call **978-436-9600**

### **Properties:**

	<b>Typical Value</b>
Color	Clear
Mix Ratio by Weight (R/H)	100/3
Viscosity, Mixed	1000 cps
Lap Shear, Alum to Alum	3,000 psi
Hardness Shore D	86
Glass Transition Temperature	110°C
Operating Temperature:	-60 to +265°C
Percent Solids	100%
Moisture Resistance	EXCELLENT

### **Cure Schedule:**

Temperature	125°C <b>PLUS</b> 140°C
Time	2 hours 1 hour

**OR**

Temperature	135°C <b>PLUS</b> 175°C
Time	30 min 30 min

**OR**

Temperature	150°C
Time	1 hour

All values reported above are typical values and are for reference use only. These values are not intended for use in developing specifications. Application testing under specific conditions should be performed to determine actual results and fitness for use.