



# TECHNICAL DATA SHEET

**Noelle Industries, Inc.**

*Adhesives • Coatings • Conductives • Encapsulants*

## NOELLE 905-10

### One Component UV Curable Adhesive and Encapsulant

#### Description:

Noelle 905-10 is a UV curable, adhesive and encapsulant which provides excellent adhesion to glass, plastics and metals. Noelle 905-10 offers low cure shrinkage, good flexibility, low odor, low toxicity and skin irritation, and no oxygen inhibition. After UV exposure, a heat post cure will cure shadowed areas.

#### Advantages:

Noelle 905-10 offers adhesion to a wide variety of substrates and good electrical properties. Noelle 905-10 may also be post cured using heat to cure shadowed areas and offers high chemical and solvent resistance.

#### Uncured Properties:

Color:	Clear
Specific gravity	1.14 g/cc
Viscosity @ 25°C	12,000 cP

#### Storage and Shelf Life: (Sealed container)

Six months when stored at or below 25°C. This material incorporates a photo initiator that can react with visible light. Do not leave container open for prolonged period of time.

#### Cure Schedule:

This UV curable adhesive has a maximum absorption UV wavelength range of 300nm to 400nm. The UV exposure range from 10-60 seconds is dependent upon the depth of the product. A heat cure following the UV exposure can be used as a secondary cure mechanism where all adhesive cannot be cured with UV light. UV cure must be done prior to heat cure.

Secondary heat cure	Temperature	Time
	100°C	10 minutes
	150°C	5 minutes

#### Cured Properties:

Shore D Hardness, measured @ 25°C:	>75
Tensile Strength	
Al/Al ASTM D-1002:	6400
psi.	
Shrinkage upon cure	<3%

#### Handling Recommendations:

Avoid prolonged contact with skin. Rubber gloves are advised. If swallowed do not induce vomiting. Call a physician immediately. In the case of eye contact flush eye with clear cold water for 15 minutes then consult a physician.

All values reported above are typical values, and are reported as a means of reference. Individual testing should be done to determine actual results, tested at specific conditions.

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