

## **Preliminary DATA SHEET**

# LAM-135-XP2: Low Refractive Index Optical Lamination Adhesive

**LAM-135-XP2** is a low refractive index UV curable lamination adhesive. It has excellent adhesion to polycarbonate (PC), PET, PMMA and glass. A typical application is lamination of PC or other plastic films, for example in display screens for smartphones, AR-glasses, and VR headsets.

# **Properties**

	Liquid state
RI liquid at 589 nm	1.3435
Density, g/cm <sup>3</sup>	1.60
Viscosity, cps @ 25°C	4000
	Cured state
RI cured at 589 nm	1.355
RI cured at 950 nm	1.350
Adhesion to glass-PC, 90° Peel, g/cm	500

### **Storage**

- 1. Avoid unnecessary exposure to ambient light and moisture.
- 2. Long term storage should be at ambient conditions of 10-30°C.
- 3. Do not refrigerate.
- 4. Keep the bottle/syringe closed to avoid moisture penetration.
- 5. The shelf life is 9 months.

#### **Application**

Curing can be achieved by any source of UV at 300-400nm. Typically, a dose of 1000-2000 mJ/cm2 is necessary. For ease of application the adhesive may be used preheated up to  $80^{\circ}$ C.

Keep the bottle closed in all times when not in use. The material is sensitive to light.

Safety: Refer to the SDS

Note: The above information is believed to be reliable, but it is not to be taken as a representation, warrantee or guarantee. Customers should perform their own QC, QA and evaluation tests.

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