MY POLYMERS
The low refractive index company

Preliminary DATA SHEET

LAM-133-XP1: Low Refractive Index Optical Lamination Adhesive

LAM-133-XP1 is a low refractive index UV curable lamination adhesive designed for lamination involving glass surfaces. A typical application is lamination of two glass surfaces, or lamination of glass with polymers such as polycarbonate, PET and PMMA, for example in display screens for smartphones, AR glasses, and VR headsets.

Properties

	Liquid state
RI liquid at 589 nm	1.327
Density, g/cm^3	1.60
Viscosity, cps @ 25°C	4000
	Cured state
RI cured at 589 nm	1.337
RI cured at 950 nm	1.330
Adhesion to glass-PC, 90° Peel, g/cm	160

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. The coating is supplied in glass bottles. Keep container closed to avoid moisture penetration.
5. The shelf life is 12 months.

Application

Curing can be achieved by any source of UV at 300-400nm. Typically, a dose of 2000-4000 mJ/cm^2 is necessary.
For ease of application the adhesive may be used preheated up to 60°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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