

## Trust 7001

### Di-functional Aliphatic Urethane Acrylates

#### INTRODUCTION

Application: T-7001 is a **high adhesion UV resin for laminating, laminating, and bonding applications**. Low Tg, non-yellowing, moderate curing. Has good resistance to moisture and heat and hydrolysis. As a UV pressure-sensitive adhesive, it has good cohesion and initial adhesion. Maintains excellent adhesion and flexibility when cured under anaerobic conditions such as lamination. Small volume shrinkage, no warping, hydrolysis resistance, no whitening or degumming after aging test, still maintain stable adhesion and transparency.

#### TYPICAL VALUES

Tg(°C)	-50
MW (GPC)	7500
Elongation at Break%	65
Colour, Gardner	1
Acid value, mg KOH/g	max. 2
Viscosity at 60°C, mPa.s	35,000
Specific Gravity	1.10
Effective content	100%

#### APPLICATION

**UV Adhesive:** T-7001 resin provides excellent hydrolysis resistance and good initial tack in UV adhesive formulations, strong cohesion, high flexibility and low shrinkage.

**UV Coatings:** Recommended for vacuum plating primers that maintain excellent adhesion to both the plating and the substrate, are resistant to boiling and have good interlayer adhesion. No need for a mid-coat can be directly with the topcoat to achieve excellent vibration abrasion resistance test.

**UV Ink:** T-7001 can be used in UV ink to reduce volume shrinkage without loss of water and chemical resistance. Highly transparent, it is suitable for various materials such as optical display film and electrical panel IMD process printing.

### **INTERMISCIBILITY**

**Monomers:** miscibility with all types of conventional monomers.

**Solvent:** miscible with ester, ketone, or aromatic solvents, not soluble in a single alcohol solvent, soluble in mixed solvents containing alcohols and ethers.

**Polymers:** well soluble with polyester, epoxy, polyurethane, phosphate, acrylate to meet the needs of formulation.

AM-312 acrylate monomer is used in conjunction with pressure sensitive adhesive industry.

**Packing:** 20kg plastic drums , 200kg iron drums

*More detailed application references and MSDS docket .....*