

## Trust 7020

### Di-functional Aliphatic Urethane Acrylates

#### INTRODUCTION

T-7020 resin is recommended for coatings and ink products that require soft materials with high flexibility and high elongation. Has faster reaction speed and relatively high surface hardness. The surface of TPU and PVC not only has excellent adhesion, but also has strong scratch resistance and excellent solvent erosion resistance. It is used as the main resin in the field of surface decorative coatings, inks and adhesives on soft materials.

#### TYPICAL VALUES

T <sub>g</sub> (°C)	-15
MW(GPC)	2600
Elongation at Break%	65
Colour, Gardner	1
Acid value,mg KOH/g	max. 2
Viscosity at 25°C,mPa.s	35000
Specific Gravity	1.12
Effective content	100%

#### APPLICATION

**UV adhesive:** Using Trust7020 as the main resin, it can provide excellent flexibility when used in light-curing molding, nail polish, or surface coating. Thick coatings will not crack, deep curing is thorough, surface drying is good, and low shrinkage .

**UV coating:** Provides excellent elongation and chemical resistance in TPU vacuum electroplating spraying, PVC floor coating, fiber optic coating film surface treatment.

**UV ink:** Universal resin for flexo, offset and screen printing inks, with good surface drying and fast curing, excellent scratch resistance and chemical resistance.

### **INTERMISCIBILITY**

**Monomer:** It is miscible with all kinds of conventional monomers. When it is necessary to specifically improve the elongation and flexibility, it is recommended to use EOEOEA low Tg monomer.

**Solvent:** It is miscible with esters, ketones, or aromatic hydrocarbon solvents. It cannot be dissolved in a single alcohol solvent, but is soluble in mixed solvents containing alcohols and ethers.

**Polymer:** It can be well miscible with polyester, epoxy, polyurethane, phosphate ester, and acrylate to meet the needs of formula formulation.

The combination of Trust 7210 two-functional polyurethane acrylate can improve the bonding force between TPU electroplating primer and electroplating layer.

The light curing coating can be fully cured when the UV energy should be no less than 500mj. Colorful fogging will not occur during electroplating applications.

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

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