

## Trust 7128F

### Di-functional Aliphatic Urethane Acrylates

两官能度聚氨酯丙烯酸酯

#### INTRODUCTION

T-7128F resin is recommended for use on surfaces of inorganic materials that are difficult to adhere to, such as glass, ceramics, and metals. It features rapid curing under long-wavelength LED light sources while providing excellent adhesion. It has a low acid value, good resistance to room temperature and boiling water, and extremely low shrinkage. Its very high double bond conversion rate allows it to maintain excellent toughness and adhesion even after vacuum evaporation or boiling. It can be directly applied to decorative coatings, vacuum coatings, inks, and adhesives on glass, ceramics, and various metals without the need for any additives.

#### TYPICAL VALUES

Tg(°C)	10
MW(GPC)	1900
Elongation at Break%	40
Colour, Gardner	2
Acid value,mg KOH/g	max. 5
Viscosity at 25 °C, mPa.s	16000
Specific Gravity	1.10
Effective content	100%

#### APPLICATION

**UV Adhesives:** T-7128F is a UV adhesive used on inorganic materials such as glass and metal, providing optimal bond strength and water resistance. It has no irritating odor and cures quickly.

**UV Coatings:** As the main resin for vacuum electroplating UV base coatings on glass packaging products, it exhibits excellent adhesion and superior water resistance.

UV inks: Organic and inorganic UV screen printing inks that enhance adhesion. Roller coating or offset printing inks for metal stamping, tested for resistance to boiling and impact toughness.

#### INTERMISCIBILITY

**Monomers:** In the field of fast-curing printing inks for glass and metal LEDs, VM-3540 monomer is recommended due to its relatively low shrinkage, increasing the curing rate.

In adhesive applications, to reduce the impact of high-functionality monomer volume shrinkage on adhesion, it can be combined with AM-319 monomer to improve toughness and ensure adhesion.

**Polymers:** It is highly compatible with polyesters, epoxy resins, polyurethanes, phosphate esters, and acrylates to meet formulation needs.

Trust 7210, a bifunctional polyurethane acrylate, can be used in combination to improve the adhesion between TPU electroplating primers and electroplated layers.

Combined with Trust 7131 in UV glass inks, it can improve curing speed and pigment wetting properties, allowing for increased filler usage.

**packing: 20kg 塑料桶 , 200kg 铁桶**

更详尽的应用参考资料及 MSDS 备索.....