

## Trust 7517

### Silicone modified polyurethane uv curing resin

#### INTRODUCTION

Application: T-7517 resin is a silicone-modified polyurethane acrylate UV resin with high cross-linking hardness and non-yellowing. Good adhesion to PC, ABS and other plastics, long-lasting anti-fouling ability. It is lipophilic, easy to scrub and has excellent chemical resistance. It can be well miscible with various resins and monomers without significantly reducing the stain resistance.

#### TYPICAL VALUES

Tg(°C)	76
MW(GPC)	3150
Elongation at Break%	25
Colour, Gardner	2
Acid value,mg KOH/g	max. 2
Viscosity at 25°C,mPa.s	7500
Specific Gravity	1.05
Effective content	100%

#### APPLICATION

**UV coating :** T-7157 resin is used as functional protective coating in electronic touch screens, home bathrooms. Resistant to fingerprints and graffiti, easy to scrub, resistant to steel wool and abrasion. Or used in conjunction with other formulation systems to improve the coating's friction or chemical resistance.

**UV ink :** T-7517 resin is used in UV printing ink, touch screen film, and hard coating.

#### INTERMISCIBILITY

**Monomer:** Miscible with various conventional monomers. The resin itself has a low viscosity, so try to reduce the amount of monomer used and avoid increasing the gloss.

**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.

**packing: 20kg plastic barrel, 200kg drum**

更详尽的应用参考资料及MSDS 备索……