

## Trust 6606

### High refractive acrylate resin

高折光丙烯酸酯树脂

#### INTRODUCTION

**T-6606** resin is an ultra-low viscosity, high-refractive-index modified acrylate UV resin with excellent toughness, low shrinkage, and resistance to high temperatures, high humidity, and thermal shock. It is used as a base resin for optical lens bonding and optical film printing. The resin offers strong versatility.

#### TYPICAL VALUES

|                          |         |
|--------------------------|---------|
| Tg(°C)                   | 15      |
| MW(GPC)                  | 1900    |
| Refractive               | 1.60    |
| Colour, Gardner          | 1       |
| Acid value,mg KOH/g      | max. 2  |
| Viscosity at 25°C ,mPa.s | 300-500 |
| Specific Gravity         | 1.10    |

#### APPLICATION

##### UV ink:

T-6606 resin is recommended for optical functional films, suitable for lower film thicknesses and more sophisticated printing patterns. The coating is colorless, highly transparent, has a high refractive index, and offers minimal shrinkage. Cured films exhibit no warping or curling.

##### UV adhesive:

Used for more precise optical lens bonding and optical film composite bonding, it offers excellent toughness and long-lasting stability under dual 85° conditions.

#### INTERMISCIBILITY

**Monomer:** For surface coatings, we recommend HM-102 high-refractive-index monomer. For adhesives, we recommend monofunctional monomers such as HM-101 and BPMA to maintain adhesion.

**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……