TR-1585

Thermo-cured High Refractive Index Optical Resin

热固化高折射率光学树脂

INTRODUTION

Applications: TR-1585 is a specially modified high-refractive-index thermosetting optical resin with high toughness and broad adhesion capabilities. It forms excellent optical effects on surfaces such as PET, acrylic, and glass. It exhibits high resistance to acids, alkalis, and chemicals, and is suitable for screen printing, transfer printing, curtain coating, roller coating, spin coating, and other application methods on flat, round, and irregularly shaped parts. With suitable curing agents, it can air dry at room temperature or be baked at high temperatures. It can be stored as a single component or in dual-component form, offering flexible application options.

TYPICAL VALUES

Appearance	transparent liquid
Effective content	32-35%
Viscosity at 25℃,mPa.s	1000-3000
OH Mg KOH/g	70-90
Solivent DAA(wt%)	65
Relative Density	0.85-0.95
Refractive Index	1.585 (After curing)

APPLICATION

Coatings: Optical coatings! Suitable for micron and nano-scale coatings requiring low film thickness and high refractive index!

Inks: Suitable for screen printing, transfer printing, molding, and other optical grating forming processes, producing fine patterns and excellent imaging effects. Withstands stringent physical and chemical resistance tests.

Adhesives: Electronic and electrical bonding with optical requirements. Excellent stability, withstands prolonged high temperature and humidity and thermal shock environmental tests.

INTERMISCIBILITY

Applications: Recommended for use with high-refractive-index optical resins or nanoscale optical fillers to meet diverse industry requirements.

Solvents: Miscible with esters, ketones, alcohol ethers, and aromatic solvents.

Curing Agents: Can crosslink with amino resins and isocyanates.

Polymers: Highly compatible with polyesters, epoxy resins, polyurethanes, phosphate esters, and acrylates to meet formulation needs.

***packing*: 20kg 塑料桶 200kg 铁桶**

更详尽的应用参考资料及 MSDS 备索……