

Trust 7136B

Tri-functional Aliphatic Urethane Acrylates

INTRODUCTION

T-7136B resin has a faster reaction speed and relatively high surface hardness. The curing speed of trifunctional resin is close to that of hexafunctional resin, but it can maintain a bending capacity greater than 90°. It has strong resistance to chemical corrosion and wear. It is used in various coatings, inks and adhesives to improve the low-energy curing speed of the formula.

TYPICAL VALUES

Tg(°C)	65
MW(GPC)	3150
Elongation at Break%	25
Colour, Gardner	1
Acid value,mg KOH/g	max. 1
Viscosity at 60 °C ,mPa.s	14000
Specific Gravity	1.12
Effective content	100%

APPLICATION

UV adhesive: Trust7136B is used as the main resin for nail art sealant, which can be applied to low-power nail art light sources without adding mercaptan. It is stable for storage without gelling in the formula that adds mercaptan to promote curing. The paint film surface is dry, with high gloss and hardness.

UV coating: It is recommended for protective coating of soft coils such as PVC and TPU, providing good chemical corrosion resistance and excellent wear

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UV ink: soft material screen printing ink,

INTERMISCIBILITY

Monomer: It is miscible with all kinds of conventional monomers, but it is necessary to pay attention to the impact of volume shrinkage caused by too high a monomer amount on the adhesion performance. It is recommended to match it with a monofunctional flexible 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 a mixed solvent containing alcohol and ether.

Polymer: It is well compatible with polyester, epoxy, polyurethane, phosphate and acrylate to meet the needs of formulation

packing: 20kg plastic drum, 200kg iron drum

More detailed application references and MSDS are available upon request.....

