

Trust 7089

Tri-functional Aliphatic Urethane Acrylates

INTRODUCTION

T-7089 resin is a comprehensive product with fast reaction speed, relatively high surface hardness, strong and wear-resistant. At the same time, it maintains excellent gloss and fullness of the coating. It has good compatibility with pigments and is used in various coatings, inks and adhesives.

TYPICAL VALUES

Tg(°C)	42
MW(GPC)	2100
Elongation at Break%	35
Colour, Gardner	1
Acid value,mg KOH/g	max. 10
Viscosity at 60℃,mPa.s	6500
Specific Gravity	1.12
Effective content	100%

APPLICATION

UV adhesive: Trust7089 is used as the main resin for nail art sealant, which can be applied to low-power nail art light sources. 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: Recommended for protective coating of soft coils such as PVC and TPU, providing good resistance to chemical corrosion and excellent wear resistance. Providing long-lasting protection.

UV ink: Screen printing ink for soft materials,

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.....