

L-61038(TMPTMA) Trimethylolpropane Trimethacrylate

CAS#3290-92-4

Molecule Weight (g/mol): 338.40

Description

L-61038 is a trifunctional acrylate monomer with high reactivity, low volatility, low viscosity, and high crosslinking density. It has good compatibility with acrylic prepolymers and can be used as a reactive diluent for UV and EB radiation curing. When copolymerized with other acrylates, it significantly enhances heat resistance, weatherability, mechanical strength, and optical properties. It is widely used in UV-curable inks, surface coatings, paints, and adhesives, providing excellent abrasion resistance, solvent resistance, hardness, adhesion, and gloss.

Technical Data

Appearance	Transparent liquid
Color Number (APHA)	≤ 200
Acid Value (mg KOH/g)	≤ 0.2
Viscosity (25°C, CPS)	30 - 60
Water (%)	≤ 0.2
Polymerization Inhibitor (ppm)	≤ 500
Refractive Index	1.471
Surface Tension (dyne/cm)	32.2
Special Gravity	1.060-1.070
Functional Group	3

Product Features

It provides excellent abrasion resistance, solvent resistance, hardness, adhesion, and gloss. It features high reactivity, low volatility, low viscosity, and high crosslinking density, and shows good compatibility with acrylic prepolymers, making it suitable as a reactive diluent. When copolymerized with other acrylates, it can significantly enhance heat resistance, weatherability, mechanical strength, and optical properties.

Applications

Wood coatings; PVC coatings; plastic coatings; metal coatings; offset printing inks; flexographic printings; screen printing vanishes; topcoat varnishes, etc.

Storage Conditions

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 25KG/200KG/barrel

Tips: L-61038 High crosslink density, good heat and solvent resistance, good hardness and scratch resistance.

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.