

L-61033(Di-TMPTA) Ditrimehtylolpropane Tetraacrylate

CAS#94108-97-1

Molecule Weight (g/mol): 466

Description

L-61033 Four-functional functional monomer with high boiling point, high activity, low volatility, low viscosity. It has good compatibility with acrylic prepolymer and can be used as reactive diluent agent used for UV and EB radiation crosslinking, and can also become a composition of crosslinking polymerization. At the same time, it is also widely used in light-curable inks, surface coatings, coatings and adhesives, and imparts good wear resistance and hardness adhesion and gloss.

Technical Data

Appearance	Transparent liquid
Color Number (APHA)	≤ 100
Acid Value (mg KOH/g)	≤ 1
Viscosity (25°C, CPS)	450 - 750
Water (%)	≤ 0.2
Polymerization Inhibitor (ppm)	≤ 500
Refractive Index	1.476
Surface Tension (dyne/cm)	36
Tg (°C)	42
Functional Group	4

Product Features

Provides excellent abrasion resistance, hardness, adhesion, and gloss.

Features a high boiling point, high reactivity, low volatility, and low viscosity.

Highly compatible with acrylic prepolymers, making it suitable as a reactive diluent.

Contains flexible ether bonds, ensuring improved elasticity and toughness after curing, while reducing brittleness.

Applications

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

Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 25 kg / 200 kg per drum

Tips:L-61033 Excellent reactivity, good hardness, wear resistance, low irritation, high chemical resistance.