Lencolo®
蓝柯路

TDS

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L-61026(TMPTA) Trimethylolpropane Triacrylate

CAS#15625-89-5
Molecule Weight (g/mol): 296

Description

L-61026 is a trifunctional reactive monomer with high boiling point, high reactivity, low volatility, and low viscosity. It is well compatible with acrylic prepolymers and can be used as an active diluent for UV and EB radiation curing. It also serves as a component in crosslinking polymerization and is widely used in UV-cured inks, surface coatings, paints, and adhesives, providing excellent abrasion resistance, hardness, adhesion, and gloss.

Technical Data

Appearance	Transparent liquid
Color Number (APHA)	≤ 50
Acid Value (mg KOH/g)	≤ 0.5
Viscosity (25ºC, CPS)	80 - 110
Water (%)	≤ 0.2
Polymerization Inhibitor (ppm)	≤ 300
Refractive Index	1.473
Surface Tension (dyne/cm)	36.6
Vitrification Temperature Tg,ºC	62
Functional Group	3

Product Features

High crosslink density, good wear resistance, high surface hardness, high gloss, high reactivity.

Applications

Wood coatings; PVC coatings; plastic coatings; metal coatings; offset printing inks; flexographic printings; screen printing varnishes; topcoat 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-61026 is one of the most commonly used UV monomers, featuring fast reaction speed and high cost-effectiveness.