Lencolo®
蓝柯路

TDS

2025/10/01

L-61044 (PEG(400)DA) Polyethylene glycol(400)diacrylate

CAS#：26570-48-9

Molecule Weight (g/mol): 508

Description

L-61044 is an acrylic water-soluble monomer suitable for photocuring reactions. It has the characteristics of low skin irritation, low odor, light color, good miscibility, and good reaction speed balance. It has a certain adhesion-promoting effect on various substrates. The cured film obtained by free radical initiation has both good toughness and hardness, and can also enhance wear resistance and scratch resistance.

Technical data

Appearance	Transparent liquid
Color Number (APHA)	≤ 80
Viscosity (25ºC, CPS)	30 - 80
Water (%)	≤ 0.2
Polymerization Inhibitor (ppm)	300 - 400
Refractive Index	1.466
Surface Tension (dyne/cm 20ºC)	42.6
Tg (℃)	3
Functional Group	2

Performance

Chemical resistance, flexibility, adhesion, low shrinkage, impact strength.

Applications

L-61044 can be used for UV polymerization of various unsaturated systems such as UV coatings, UV inks, UV adhesives, PVC floors, wood coatings, paper coatings, etc.

Applicable in sealants, solder mask inks, photoresists, inks, coatings, dry films, and related fields.

Storage

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-61044 has low skin irritation, low odor, light color, good miscibility, and good reaction speed and balance.