

L-61043 (PEG(200)DA) Polyethylene glycol(200)diacrylate

CAS#: 26570-48-9

Molecule Weight (g/mol): 302

Description

L-61043 is a polyethylene glycol (N=4) acrylate compound that combines the fast curing of acrylates with the flexibility and low volatility of polyethylene glycol. It features low skin irritation, low odor, light color, good miscibility, and balanced reactivity. It also promotes adhesion on various substrates. The cured film obtained via free radical initiation exhibits both excellent toughness and hardness, and enhances abrasion and scratch resistance.

Technical Data

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|--------------------------------|--------------------|
| Appearance | Transparent liquid |
| Color Number (APHA) | ≤ 100 |
| Viscosity (25°C, CPS) | 15 - 35 |
| Water (%) | ≤ 0.2 |
| Polymerization Inhibitor (ppm) | 300 - 500 |
| Refractive Index | 1.463 |
| Surface Tension (dyne/cm 20°C) | 40.1 |
| Tg (°C) | 14 |
| Functional Group | 2 |

Product Features

High water solubility, low skin irritation, low odor, low volatility

Applications

L-61043 is an acrylate monomer suitable for photopolymerization, applicable in UV coatings, UV inks, UV adhesives, and other unsaturated UV-curable systems. It is used in sealants, solder mask inks, photoresists, inks, coatings, and dry film applications

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-61043 has low skin irritation, low odor, light color, good miscibility, and good reaction speed and balance.

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.