

L-61040(HPMA) Hydroxypropyl Methacrylate

CAS#27813-02-1

Molecule Weight (g/mol): 144. 17

Description

L-61040 A monofunctional acrylate monomer containing a vinyl double bond in its molecule, which can polymerize with various unsaturated monomers to form polymers with hydroxyl functional groups on the side chain. It also can also be used for acrylate functional monomers in photocuring reactions. Body, low odor, low irritation, good pigment wettability.

Technical Data

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|--------------------------------|------------------------------|
| Purity (hydroxyester m/m%) (%) | ≥ 98 |
| Appearance | Colorless transparent liquid |
| Viscosity (25°C, CPS) | 5 - 10 |
| Density (25°C, g/cm³) | 1.066 |
| Boiling Point °C (0.933kPa) | 90-93 |
| Flash Point°C (open cup) | 96.7 |
| Refractive Index | 1.446 |
| Color Number (APHA) | ≤ 40 |
| Monoester Content m/m% | ≥ 97 |
| Functional Group | 1 |

Product Features

Good elasticity, good scratch resistance, good gloss retention of pigments.

Applications

Primarily used to produce hydroxyl-functionalized acrylate resins with reactive groups.

In the coatings industry, combined with epoxy resins or diisocyanate resins to produce two-component coatings.

In the lubricants industry, used as an additive for cleaning oils.

In the textile industry, used to manufacture adhesives for fabrics, and in analytical chemistry as a chemical reagent.

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

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.