

L-61039(HPA) Hydroxypropyl Acrylate
CAS#25584-83-2

Description

L-61039 HPA molecule contains ethylene double bonds and can be copolymerized with various unsaturated monomers to form polymers with hydroxyl functional groups in side chains. This functional group is especially suitable for cross-linking polymerization reactions of pre-polymerization and post-polymerization. In addition to being used in automotive coating formulations, HPA is more widely used in UV light-curing systems, which can be linked to diisocyanates, diepoxy resins and other reactive oligomers and prepolymers, so that it can be used in Very readily polymerizable under UV light, these polymerized products are used in wood varnishes, printing inks and adhesives.

Technical data

Appearance	Transparent liquid
Molecular weight	130.14
Acid value (mg KOH/g)	0.1 max
Color number (APHA)	≤20
Viscosity (25°C, CPS)	8-12
Density d (g/mL,25/4°C)	1.054
Boiling point (°C,atmospheric pressure)	77
Flash point(°C)	99
Tg(°C)	-15
Refractive index	1.446
Functional group	1

Performance

Fast response, good flexibility
Low skin irritation

Applications

Synthetic UV resin, UV adhesive, 3D UV printing, UV nail polish, UV ink, UV coating, water-based UV coating, etc.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 25KG/200KG/barrel

Tips: Tips: L-61039 has fast reaction speed, good flexibility, contains hydroxyl group, and is a synthetic intermediate.

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.