

L-6102(ACMO) Acryloylmorpholine  
CAS#5117-12-4

Description

L-6102 is a special UV monomer with ultra-low viscosity, low odor, low volatility, low irritation, excellent balance of hardness and flexibility, and fast curing speed. Good adhesion to all kinds of substrates, and is very suitable for adjusting flexibility, adhesion and viscosity in high flexibility UV system.

Technical data

Appearance	Colorless or yellowish transparent liquid
Acid value (mg KOH/g)	≤3
Color number (APHA)	≤60
Viscosity (25°C, CPS)	8-12
Density d (g/mL, 25/4°C)	1.122
Boiling point (°C, normal pressure)	158°C(50mmHg)
Tg(°C)	145
Refractive index	1.508
Surface tension (dyne/cm)	44.6mN/m(20°C)
Functional group	1

Performance

The monofunctional monomer with low odor and low irritation can be miscible with water and can be used in aqueous UV system.

The reaction is faster than that of ordinary monofunctional monomers, which is equivalent to the speed of general 2-3 functional monomers

It is very flexible and has a certain hardness. It can be mixed with high-ranking official oligomer and added with a small amount to prepare hard and tough products

Good dispersion of pigments and dyes

Excellent adhesion, especially for difficult substrates such as PET / PE and PMMA.

Applications

UV adhesive, 3D UV printing, UV nail polish, UV ink, 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: L-6102 ACMO is a special UV monomer with fast reaction speed, good adhesion and low viscosity.**

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.