

## FM-370

### Alkoxyated methoxyacrylate UV monomer

#### INTRODUCTION

FM-370 is a monofunctional methoxyacrylate UV monomer, but its curing speed is close to that of a trifunctional acrylate monomer, and it even has better curing performance under LED light sources. Low viscosity, high hardness, good chemical resistance. Good surface dryness and high cross-linking degree. Extremely low volume shrinkage and strong adhesion to various materials!

#### TYPICAL VALUES

Tg(°C)	70
Functionality	1
Surface tension Dynes	30
Colour, Gardner	2
Refractive Index	1.505
Acid value,mg KOH/g	max. 2
Viscosity at 25°C,cPa.s	10

#### APPLICATION

##### UV coating:

FM-370 methoxy UV monomer can maintain low shrinkage of monofunctionality, high cross-linking degree, and good chemical resistance when used in coatings. It is recommended as the main monomer in solvent-free UV coatings to maintain high hardness and low viscosity

##### UV ink jet:

Recommended to be used as the main resin, suitable for LED light sources, with excellent overall performance.

##### UV adhesive

Recommended to use together, low shrinkage, more obvious when the thickness of the adhesive layer is high. Fast curing, high glass transition temperature, and good temperature resistance.

##### UV ink:

Used together, it has strong dilution ability and promotes adhesion. Recommended as the main dissolved monomer for pure acrylic resin.

#### INTERMISCIBILITY

**Monomer :** Has good solubility with various monomers.

**Solvent :** Compatible with all types of conventional organic solvents.

**Polymer :** It is completely compatible with pure acrylic, polyester, epoxy, acrylic and other resins, and the formula can be adjusted according to application requirements.

**Packaging specifications :** 20kg 和 200kg per barrel