

HM-102

High refractive index UV monomer

高折光率 UV 单体

INTRODUCTION

Application: HM-102 is a monofunctional acrylic UV monomer with high refractive index, high adhesion, low viscosity and good water resistance. It is used in various optical display film materials with good wetting and leveling properties and soft paint film.

TYPICAL VALUES

Tg(°C)	32
MW(GPC)	268
Elongation at Break%	35%
Colour, Gardner	2
Acid value,mg KOH/g	max. 1
Viscosity at 25°C, mPa.s	100-200
Refractive index(nD ²⁵)	1.576
Effective content	100%

APPLICATION

UV coating: Applied in optical fiber coating, the main diluent monomer for display film with high refractive index. The paint film is soft, water-resistant and has good adhesion!

UV adhesive: bonding of optical lenses and display materials, oxygen-free curing of coatings, high light transmittance, high refractive index.

INTERMISCIBILITY

Monomer: Miscible with all kinds of conventional monomers.

Solvent: It is miscible with esters, ketones, or aromatic solvents. It cannot be dissolved in a single alcohol solvent, but is soluble in a mixed solvent containing alcohol and ether.

Polymer: It is well compatible with polyester, epoxy, polyurethane, phosphate and acrylate to meet the needs of formulation.

packing: 20kg plastic drum, 200kg iron drum