Foreverest Resources Ltd

Isobornyl Methacrylate (IBOMA)

99.5%

Isobornyl methacrylate (IBOMA) is an acrylic ester monomer with a bridged-ring structure. Its double bond is a C=C bond, with the methyl group attached to the carbon adjacent to the carbonyl group. Typically, the polymerization rate of methacrylates is slower than that of acrylates because the additional methyl group impedes rotation around the double bond and affects overall reactivity. Compared to IBOA, IBOMA may have a higher viscosity, affecting the ease of preparation process. Due to its molecular structure characteristics of IBOMA, the polymer has excellent high light, vividness, abrasion resistance, medium resistance and weather resistance, and its moisture absorption is significantly lower than MMA (methyl methacrylate). In addition, acrylic resin added with IBOMA has a good compatibility with polyester, alkyd and many volatile paint film forming substances.

Substance Identification

Synonyms	IBOMA
CAS	N/A

EINECS	
FEMA	N/A
HS.CODE	n/a
Molecular Formula	C14H22O2
Moleclar Weight	222.328

Application & Uses

- *Suitable for manufacturing acrylic resins with high glass transition temperatures (Tg).*
- Used as a thickening agent, base material, reactive diluent, and curing agent in printing ink formulations, solvent-based high-solid content transparent coatings, and curing coatings.
- Suitable for producing decorative protective coatings for PET, PE, and PP soft plastic films, as well as engineering plastic components such as PE, PP, and PC.
- Used as a plasticizer in the plastics industry.
- Used as a viscosity improver in dental resin.

Features & Benefits

- *Compared to IBOA, IBOMA has a higher viscosity.*
- *Has good compatibility with various oligomers in UV curable coatings.*
- Possesses UV resistance, water resistance, and chemical resistance.
- Enhances the glossiness and adhesion of coatings.
- Improves properties such as flowability, abrasion resistance, aging resistance, and corrosion resistance of inks or coatings.

- Acts as a reactive diluent with low volatility, low toxicity, and minimal irritability, thus advantageous for improving the production and application environment of coatings.
- Can reduce adverse biological effects.

Sales Specification

ITEM	VALUE	TEST METHOD & UNIT
Appearance	Colorless to light yellow liquid	
Color	20 max	@Pt-Co
Specific Gravity	0.976 to 0.996	@20/4℃
Acid Value	0.02 max	%
Moisture Content	0.02 max	%
Purity	99.5 min	@GC, %
Methanol Soluble	Clear	@5:45
MEHQ	90 to 110	ppm

Package

You can contact our technical team to customize packaging specifications.

GHS Hazard Statements

H-Code	H412
P-Code	P273
Risk Phrases	R36/37/38
Safety Phrases	S26-S36

Storage

- Store in a cool place to protect from high temperature

Relation Products

- Isobornyl Acrylate (IBOA)
- Camphene

Relation Articles

- Overview, application of Isobornyl Acrylate (IBOA) and Isobornyl Methacrylate (IBOMA)

Remark

The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.