

Monomer DPHA

Product Description

Dipentaerythritol Hexaacrylate (DPHA) is a multi-functional acrylate diluent used in ultraviolet light (UV) and electron beam (EB) curable inks and coatings. It imparts crosslinking to the cured polymer providing excellent hardness, good scratch and abrasion resistance, and good chemical resistance.

Chemical Data

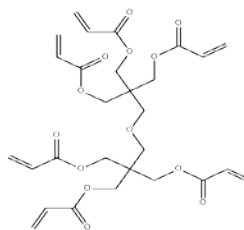
Chemicals Name

2-[[3-[(1-oxoallyl)oxy]-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate

CAS:

29570-58-9

Molecular Formula



Typical Properties

Appearance

Clear liquid

Color (APHA), max.

≤ 120

Viscosity, 25°C, cps

4,000 – 7,000

Density, g/ml at 25°C

1.19

Water wt% max

≤ 0.2

Acid value, mg KOH/g, max.

≤ 0.2

Advantages

- Good chemical resistance
- Good scratch and abrasion resistance
- Rapid cure response
- High cross-link density
- Excellent hardness

Applications

UV or EB cured inks, coatings, varnishes, and adhesives

Packing & Storage

- 200kg / 220lb Metal Drums
- This monomer should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures below 38°C / 100°F. Exposure to direct sunlight should be avoided
- Recommended shelf life is 1 year

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.