

Monomer DPHA

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CAS No. 29570-58-9

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.

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

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

Physical Data

Density (g/cm ³)	1.19
Form of supply	Clear liquid
Moisture (%)	≤ 0.2
Colour, Pt-Co scale (Pt-Co)	≤ 120
Viscosity	25°C, cps 4,000 – 7,000
Acid value (mg KOH/g)	≤ 0.2

Packaging, Shipping & Storage

Monomer DPHA is supplied as clear liquid. The product is packed in 200 kg metal drum and shipped on pallets of 500 kg. Store indoors in the original, unopened and undamaged containers in a dry place below 38°C / 100°F. Avoid exposure to direct sunlight. Shelf life: 12 months.

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.