

Product Introduction:

DPHA, dipentaerythritol hexaacrylate, is a hexafunctional monomer characterized by high reactivity, outstanding scratch and abrasion resistance, superior chemical resistance, as well as good resistance to high temperature and humidity-heat aging.

Product Features:

- ◆ High reactivity
- ◆ High surface hardness
- ◆ Good humidity & heat resistance
- ◆ High temperature resistance
- ◆ Excellent chemical resistance
- ◆ Good substrate adhesion
- ◆ Superior scratch and abrasion resistance

Applicability

Water-base	Solvent-base
●	●
Solvent-less	Bicomponent
●	◎
Paint	Varnish
◎	◎

○ Unsited ◎ Partially suited ● Suited

Application

- ◆ UV Coatings and UV Inks

Technical information

Chemical composition

Functionality	6
Appearance	Transparent liquid
Viscosity (60RPM, 25°C)	3500-8000
Solvent content(wt%)	≤0.1
Water content (Karl Fischer, '≤0.1	
Acid value (mg KOH/g)	≤0.5
Color number	≤50
Refractive index (25°C)	1.47800-1.4920
Specific gravity (25°C)	1.170-1.190
Inhibitor(ppm)	400-600

Recommended addition

Chemical usage process

Manner of packing

200kg/drum

Storage and shelf life

- ◆ Transportation and storage of non-hazardous chemicals
- ◆ Cool, dry and sealed storage
- ◆ Shelf life: 12 months from the date of production

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