

TECHNICAL DATA SHEET

KOTIAN Code: 4243

Low-halogen, anti-yellowing Epoxy Acrylate

Description

4243 is a difunctional low-halogen, anti-yellowing epoxy acrylate, featuring fast curing speed, high hardness, low halogen content, excellent wetting properties, and superior yellowing resistance.

Basic physical properties

Appearance	Yellowish transparent liquid
Gardner (Fe-Co)	≤3
Viscosity (cps/25℃)	25000-35000 (NDJ-79 Viscometer)
Acid value (mg KOH/g)	≤2.0
Functionality	2
Refractive index (25℃)	1.438±0.005
Density(g/ml)	1.18±0.02
Packing specification (kg/Iron drum)	220

Suggested applications

Plastic spraying, paper, wood, ink, and various UV coatings

Matters need attention

- The product should be stored in a cool, well-ventilated indoor area, tightly sealed and protected from light and moisture.
- The product has a shelf life of 12 months at room temperature. Expired products may still be used after passing quality inspection.
- This product is classified as low toxicity. Avoid direct skin contact. In case of contact, rinse immediately with detergent and water.

Basic performance testing:

The film formation is conducted by mixing the components in a mass ratio of 4243:1173 initiator= 100:3, the basic properties of the tested resin are as follows:

Surface drying	Surface drying after 2 passes at 15mJ/cm ²
Wettability (without initiator, Biaogeda Laminated Black-and-White Card Paper)	Good; no cratering observed in the film after 30 minutes at room temperature.
Anti-yellowing resistance	B=8, $\Delta B=1.33$
Pencil hardness	H
Wood adhesion	Grade 2
Flexibility	Hard and brittle with no toughness
Odor	Low