

IOTA-5186 2-[3,4-Epoxy cyclohexyl)ethyl]trimethoxysilane

Other name: Trimethoxy[2-(7-oxabicyclo[4.1.0]hept-3-yl)ethyl]silane

Molecular fomular: C₁₁H₂₂O₄Si

Molecular weight: 246.38

CAS: 3388-04-3

EINECS: 222-217-1

Physical and chemical properties:

Boiling point: 310°C

Refractive index: 1.451

Density: 1.065

Use:

1. IOTA-5186 is a kind of epoxy functional coupling agent, can be stable in storage and yellowing of the adhesion promoting effect, and is suitable for as polysulfide, polyurethane, epoxy, acrylic sealant and adhesive of the adhesion promoter, can significantly improve the sealants and adhesives for inorganic materials, such as glass, metal, concrete adhesion and water resistance.

2. IOTA-5186 can enhance the cohesive force of the epoxy resin and the substrate and improve the electrical performance of the epoxy resin electronic materials, sealing materials, printed circuit board, especially the wet electrical performance.

3. IOTA-5186 as inorganic filler surface treatment agent, application of silicon powder, glass beads, aluminum hydroxide, clay, talc, wollastonite, silica, quartz powder, metal powder.

4. IOTA-5186 is applied to the acrylic and polyurethane and other water-based coatings, which can be used as a bonding agent and crosslinking agent to improve the bonding strength, water resistance, abrasion resistance, abrasion resistance and so on. Compared with KH-560, the product can achieve a longer storage period in the water resin.

Packing:

210L drum: 200kg/ barrel

IBC 1000L barrel: 1000kg/ barrel