

IOTA-5561 3-Glycidyloxypropyltriethoxysilane

Synonyms: 3-(2,3-Epoxypropyloxy)propyltriethoxysilane

Formula: C₁₂H₂₆O₅Si

Molecular weight: 278.42

CAS: 2602-34-8

EINECS: 220-011-6

Physical and Chemical Properties:

Refractive Index: 1.427

Density: 1.004

Application:

1. IOTA 5561 is mainly used to improve the adhesion between the surface of organic material and inorganic material, for example, in the treatment of the glass fabric in glass steel and the silicon stuffing in plastic, rubber, paint, coating, etc. It is also used in adhesives to strengthen the adhesion. The suitable resins include epoxy, phenol aldehyde, melamine, polysulfide, polyamino ester, polystyrene, etc.

2. IOTA 5561 improves the adhesion between inorganic stuffing, base material and resin, hence improves the mechanical strength, electric property of composite material and high retention in wet state.

As the surface treating agent of inorganic stuffing, IOTA 5561 is widely used in pottery clay, talcum powder, silicon grey clay, white carbon black, silica, aluminum powder, iron powder, etc.

3. IOTA 5561 is used as epoxy sealing agent to stuff silica, epoxy concrete remedy material or coating to stuff sand and epoxy mould material to stuff metal.

4. IOTA 5561 can also improve the adhesion of double-component epoxy sealing agent, acrylic acid latex, sealing agent, polyamino ester and epoxy coating.

Storage and Packing:

Finished with 25KG, 200KG plastic barrel or closed steel drum packaging, other specifications need reservation.