

IOTA-550 3-Aminopropyltriethoxysilane

CAS: 919-30-2

Structural formula: $\text{NH}_2\text{-CH}_2\text{CH}_2\text{CH}_2\text{-Si(-OCH}_2\text{CH}_3)_3$ (M-221.37)

Molecular formula: $\text{C}_9\text{H}_{23}\text{NO}_3\text{Si}$

Appearance: colorless to light yellow transparent liquid.

Solid content: $\geq 96.0\%$

Refractive index (25°C): 1.4175-1.4200

Boiling point: 217 /760mmHg;

Specific gravity (25°C) : 0.9390-0.9430g/ml;

Applications:

This product contains two kinds of different active groups, Used as a coupling organic polymer and inorganic filler, Enhance the cohesiveness and to improve the mechanical, electrical, water resistance and ageing resistance properties of the products. Used in glass fiber, textile auxiliaries, adhesives and other industries.

1. This product is a fine glass fiber treatment agent, Improve the mechanical strength of the composite materials, electrical and anti-aging performance.

2. The product is suitable for poly acid resin, epoxy resin, phenolic resin, melamine formaldehyde resin, nylon, polysulfone and other glass steel material.
3. Glass steel treated by IOTA 550 is widely used in the manufacture of mechanical parts, building materials, pressure vessels and some special purpose.
4. IOTA 550 is also used for bonding tackifier of rubber and metal, for casting industry used as self-hardening resin sand core strengthening agent.
5. The applicable filling material for this product is glass fiber, glass cloth, glass beads, white carbon black, talc, clay, mica, coal silt, clay composite silicon material.

Storage:

This product should be strictly sealed, stored in a dry, cool, dark indoor place.

Package:

Plastic drum, net weight 5kg, 25kg, 200kg.