

IOTA-5172 Vinyltris 2-methoxyethoxy silane

CAS NO: 1067-53-4

Structural formula: $\text{CH}_2=\text{CHSi}(\text{OCH}_2\text{CH}_2\text{OCH}_3)_3$

Physicochemical properties:

Boiling point: 285°C/760mmHg

Specific gravity (25°C) : 1.04±0.02g/ml

Solid content: ≥99.00%

The refractive index (20°C) : 1.427±0.02

Features and applications:

IOTA 5172 is a kind of coupling agent containing vinyl functional groups. As the coupling agent, IOTA5172 can reduce the sensitivity of the mechanical and electrical performance in wet or high temperature circumstance.

1. Used as tackifier of many mineral filled polymers, can improve the mechanical properties and electrical properties.
2. Make the filling hydrophobic, improve the compatibility of the filler and polymer, makes dispersity better, decreases melt viscosity.

3. Improve the adhesion among the surfaces of inorganic material, and can also be cross-linked with each other.

4. Improve the dispersion of fillers, improve the mechanical properties and mechanical strength, etc.

Storage:

Dark indoor storage, maintain ventilation, cool, dry. The container should be sealed in order to avoid the moisture after opening the container.

Packing:

Plastic barrel, net weight 25kg/200kg.