

IOTA-S69 Bis[3-(triethoxysilyl)propyl]tetrasulfide

Synonyms:

3,3'-Bis(triethoxysilylpropyl)tetrasulfide;

4,4,15,15-Tetraethoxy-3,16-dioxa-8,9,10,11-tetrathia-4,15-disilaoctadecane;

Bis(3-triethoxysilylpropyl)tetrasulfane; Bis[3-(triethoxysilyl)propyl]tetrasulfide;

Bis[g-(triethoxysilyl)propyl] tetrasulfide;

Chemical Structure:

Formula: C₁₈H₄₂O₆S₄Si₂

Molecular Weight: 538.94

CAS: 40372-72-3

EINECS: 254-896-5

Physical and Chemical Properties:

Refractive Index: 1.49

Density: 1.08

Purity (%) : ≥ 22.5

Description:

Light yellow transparent liquid with slight ethyl alcohol odor, easily soluble in organic solvents such as ethyl alcohol, acetone, benzene, toluene and chlorohydrocarbon ,etc.

Application:

1. A kind of silane coupling agent with multiple functional groups successfully used in rubber industry to improve modulus and tensile strength of rubber, to reduce the compound viscosity and save process energy consumption. It is especially applicable for polymers with double bond or rubber formulation with hydroxyl fillers.
2. Suitable for sulfur rubber and can improve the crosslinking stability, tear resistance, shear resistance, water resistance and reduce the compression deformation.
3. The suitable rubber include natural rubber (NR), Butadiene styrene rubber (SBR), Isoprene rubber (IR), Butadiene rubber (BR), Acrylonitrile butadiene rubber (NBR), Ethylene propylene diene rubber (EPDM), etc.
4. The suitable inorganic fillers include carbon black, white carbon black, glass fiber, talc, mica, fly ash and clay ect.

5. It is applicable for rubber, tire (tread, tire body and the tire wall), and solid rubber tire roller surface. The conveyor belt surface, steel brush wire bonding, cable (insulation layer and coated layer) shoes (warrior shoes, marathon shoes and tennis shoes)

Storage and Packing:

5L、10L、25L、200L PE drum. Customized service is acceptable. Please specify when order.