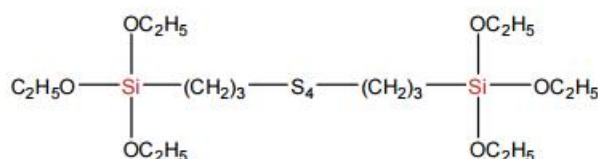




**Bis -[3-(triethoxysilicon) propyl]
-tetrasulfide
RK-G69**

Product description

Structural formula:



Molecular formula: C18H42O6S4Si2

Molecular weight: 538.95

CAS number: 40372-72-3

Chemical name: bis -[3-(triethoxysilane) -propyl] -tetrasulfide

Characteristics: RK-G69 is a kind of organosilane containing bisfunctional groups containing sulfur, which can be applied to the combination of rubber and silanol-containing white base material.

Physical and chemical data

PROPERTIES	SPECIFICATION	TEST METHOD
Appearance	Yellow Transparent liquid	Visual
Sulfur Content (%)	21.00-23.00	ASTM D6741
By-products GC* (%)	≤3.0	ASTM D6843
Specific Gravity (25°C, g/cm ³)	1.080±0.02	GB/T 4472
Refractive Index (25°C, g/cm ³)	1.480±0.02	GB/T 6488
S2 Content HPLC(%)	17.0±3.0	ASTM D6844



S3 Content HPLC (%)	30.0 ± 4.0	ASTM D6844
S4 Content HPLC (%)	24.0 ± 3.0	ASTM D6844
S5-S8 Content HPLC (%)	27.0 ± 3.0	ASTM D6844
Average Sulfur Chain Length (%)	3.75 ± 0.15	ASTM D6844
Chlorine Content (%)	≤ 0.4	GB/T 3051

Product application and characteristics

It is a bifunctional polysulfide organosilane coupling agent successfully used in rubber and plastics industry.

It is suitable for vulcanized rubber system with carbon black, glass fiber, talc powder, mica, clay and other fillers as reinforcing agents, which can improve the reinforcing ability of fillers and increase the wear resistance of rubber. As rubber additives - vulcanizing agent, active agent, applicable rubber types include NR, NBR, SBR, IR, BR, EPDM and their combined rubber. In the vulcanization process, the crosslinking rate of the tetrathionyl group is basically the same as the sulfur return rate in sulfur vulcanization, which plays the role of anti-vulcanization return, thereby improving the dynamic bending properties of rubber such as heating property and crack elongation, and the 4 S atoms can also play the role of vulcanization promotion. It can be used to make products under dynamic and static working conditions, such as tires, rubber hoses, rollers, tapes, cable insulation and coating materials, shoes and mechanical casting products, etc., which can improve their wear resistance, cut resistance and pressure resistance; Reduce hysteresis and water absorption; Improve its mechanical properties, bonding properties;



Enhance its thermal aging performance, modulus and flexural life.

Recommended usage :1.0-4.0 PHR.

Product security, handling and storage

The container should be sealed after opening to prevent water vapor from entering and producing hydrolysis.

Stored in the original unopened container at room temperature, this product has a shelf life of one year from the date of production. After passing the test, the buyer will decide whether to continue to use the expired product.

Note: The Company is only responsible for the sales specifications of the products at the time of shipment, and shall not be liable for any indirect or incidental damages.

Packing :25L, 200L, 1000L