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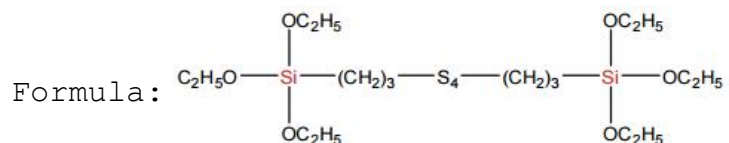
## Bis -[3-(triethoxysilicon) -propyl] -tetrasulfide

OL-6

### Features and Advantages:

OL-6 is a difunctional sulfur-containing organosilane that can be used to combine rubber with a white base material containing silanol.

### Product Description:



Molecular formula: C<sub>18</sub>H<sub>42</sub>O<sub>6</sub>S<sub>4</sub>Si<sub>2</sub>

Molecular weight: 538.95

CAS No. : 40372-72-3

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

### Product specification:

|                |                          |
|----------------|--------------------------|
| appearance     | Light yellow transparent |
| Sulfur content | 21.00-23.00%             |

Tianjin Ruiké Chemical Co. LTD  
Add: Room 116-11, 160 Xiangyuan Road, Jingjin Science and Technology Valley Industrial Park, Wuqing District, Tianjin  
[tjrkhg@126.com](mailto:tjrkhg@126.com)

Tel: +86 18526852692

[www.rk-chem.com](http://www.rk-chem.com)



|   |            |
|---|------------|
| by-products                                 | ≤4.0%      |
| Density (25 °C, g/cm <sup>3</sup> )         | 1.080±0.02 |
| Refractive index (25°C, g/cm <sup>3</sup> ) | 1.480±0.02 |
| Content of S <sub>2</sub>                   | 17.0±3.0%  |
| Content of S <sub>3</sub>                   | 30.0±4.0%  |
| S <sub>4</sub> content                      | 24.0±3.0%  |
| S <sub>5</sub> - the S <sub>8</sub> content | 27.0±3.0%  |
| Average sulfur chain length                 | 3.75±0.15% |
| The chlorine content                        | ≤0.6%      |

Note: The above data is for reference only and cannot be used as technical specifications

**Scope of application:**

01-6 is a dual functional polysulfide organosilane coupling agent which has been successfully used in rubber and plastic industry.

01-6 is suitable for vulcanized rubber system with silica, glass fiber, talc, mica, clay and other fillers as reinforcing agents. It can improve the reinforcing ability of fillers and increase the wear resistance of rubber.

01-6 as rubber additives - vulcanizing agent, active agent, applicable rubber types including NR, NBR, SBR, IR, BR, EPDM and so on and their compound. In the vulcanization process, the cross-linking speed of its tetrathioalkyl group is basically the same as the sulfur reversion speed in sulfur vulcanization, which plays the role of anti-vulcanization



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reversion, so as to improve the dynamic bending properties of rubber, such as heating and crack elongation, and the 4 S atoms can also play the role of promoting vulcanization.

Ol-6 can be used for making products under dynamic and static working conditions, such as tires, rubber pipes, cots, tape, cable insulation and coating materials, shoes and mechanical casting products, etc., can improve their wear resistance, cutting 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.

**Packing:** 5L 25L 200L 1000L

**Storage:** The container should be sealed after opening to prevent water vapor from entering and hydrolyzing. Stored IN THE original unopened container at ROOM temperature, the shelf life of this product is one year from the date of production. After the expired product passes the test, the buyer will decide whether to continue to use.

**Remark:** The company is only responsible for the sales specifications of the products at the time of delivery, and is not liable for any indirect or incidental damage.