

# Silane USi-S694

Sulfur functional alkoxy silane

## Product Description

Chemical Name:

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

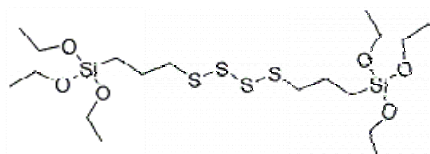
Synonymys:

Di-(3-ethoxy silane propyl)- tetrasulfide

CAS NO.: 40372-72-3

EINECS NO.: 254-896-5

Chemical structure:



## Properties

Silane USi-S694 is 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's especially applicable for polymers with double bond or rubber formulation with hydroxyl fillers. The suitable fillers include silica, silicate, clay, etc.

The suitable rubber include natural rubber, Butadiene styrene rubber, Isoprene rubber, Butadiene rubber, Acrylonitrile butadiene rubber, Ethylene propylene diene rubber, etc.

## Typical Technical Data

The below values are not intended for use in preparing specifications. Please confirm with us prior to writing specifications on this product.

Appearance: Canary transparent liquid

Alcohol content (%): 0.5 max

R2 content (%): 3.0 max

Other impurity content (%): 1.0 max

Viscosity (25°C/cps): 19.0 max

Sulfur content (%): 22.0 ± 1.0

## Applications

Silane USi-S694 is a kind of silane coupling agent with multiple functional groups in below industries:

- Low rolling resistance tires, mechanical rubber goods and soles
- Used in rubber industry to improve modulus and tensile strength of rubber, to reduce the compound viscosity and save process energy consumption
- It's especially applicable for polymers with double bond or rubber formulation with hydroxyl fillers.
- USi-S694 is also available as a dry blend (1:1) with carbon black, named USi-S69C.

## **Safety & Storage**

Customers should review the latest MSDS and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS is available at [www.usi-chemical.com](http://www.usi-chemical.com) or upon request.

Keep away from heat and open flame.  
When stored between +10 °C and +40 °C in the original unopened containers, this product has a usable life of 12 months from the date of production.

## **Packaging**

In 25L pail, 200L drum and 1000L IBC

## **Contact Information**

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