



Scan for our
Product Range



LAB-LINE
ENTERPRISES

Name of Product

Coupling Agent SI-619

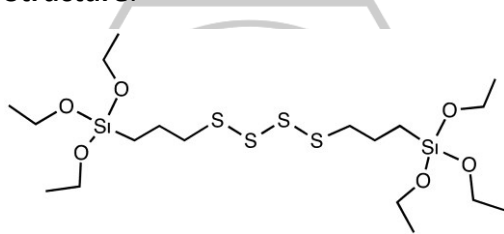
OTHER COMMON NAMES: SI-69, A-1289,
Sulphur Silane Coupling Agent, TESPT

CHEMICAL PROPERTIES:

Chemical Name: bis[3-(triethoxysilyl)propyl]tetrasulfide

CAS No.: 40372-72-3

Structure:



APPLICATION:

HYCO SI 619 is a multi-functional silane coupling agent successfully used in the rubber industry. Its role is to improve the compatibility of rubber with filler, then enhance the reinforcing effect of the filler.

HYCO SI 619 can significantly improve the mechanical properties of the vulcanizates, reduced rolling resistance, compression heat, wear and permanent deformation; this product can eliminate the effect from filler on the curing speed and the degree of crosslinking; can reduce the Mooney viscosity of the rubber material, improve process and reversion elimination.

HYCO SI 619 is suitable for the double bond containing polymers (such as NR, NBR, SBR, IR, BR, EPDM, and their mixture) or the rubber formulations by using hydroxyl group-containing fillers (such as silica, silicates, etc.).

APPLIED INDUSTRIES

- Glue
- Glass Fibre
- Rubber

TYPICAL PROPERTIES

Appearance	Yellowish to brownish Liquid
Average Chain Length (%)	3.75 +/- 0.15
Total Sulphur	22.7 +/- 0.8
Density	1.1 +/- 0.02 g/cm ³
Volatile Components	<4%
Boiling Point	Decomposes over 250°C

SAFETY:

- May be harmful if inhaled or swallowed, should be handled with special care.
- Please use the appropriate safety equipment to avoid direct contact with eyes or skin.
- In case of exposure to the product, rinse immediately with plenty of water.
- Read and understand the Material Safety Data Sheet (MSDS)

STORAGE:

Material should be stored in cool and dry place, away moisture and sunshine.

Recommended shelf life is 12 months when stored under ideal conditions.

*This information is only for reference purpose