

SilBond™-69 is a bifunctional, sulfur-containing organosilane for rubber applications in combination with white fillers containing silanol groups.

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

CAS No. : 40372-72-3

Formula : $(C_2H_5O)_3Si(CH_2)_3-S_4-(CH_2)_3Si(OC_2H_5)_3$

Properties	Specification
Sulfur Content	22% ± 1%
The Average Sulfur Chain Length	3.75 ± 0.15
Chloropropyltriethoxy Silane Content	≤ 3.0%
Viscosity 25 ^o C	≤ 14(cps)
S2 content	17 ± 3%
S3 content	30 ± 4%
S4 content	24 ± 3%
S5 - S8 content	27 ± 3%

Application Range:

SilBond™-69 is a kind of multifunctional silane coupling agent that has been used successfully in the rubber industry. It is used to improve physical and mechanical properties of vulcanizates. It is able to markedly improve tensile strength, tear strength and abrasion resistance and also reduce compression set of vulcanizates. In addition, it can reduce the viscosity and improve the processability of rubber compounds.

SilBond™-69 is especially suitable to improve the reinforcing properties of fillers that contain hydroxyl groups in all unsaturated polymers having double bonds or their blends. Silica, talc powder, mica powder and clay can be used in combination with **SilBond™-69** in polymers such as NR, IR, SBR, BR, NBR and EPDM. Recommend dosage 1.0-4.0 PHR

Packaging:

25 kgs, 200 kgs & 1000 kgs in plastic drum.

Storage:

Kept in a low temperature, dry and ventilated place; avoid direct sunlight.

Shelf life:

One years in ventilated, cool and dry area.