Product information

Si 266®

Bis(triethoxysilylpropyl)polysulfide

Technical data

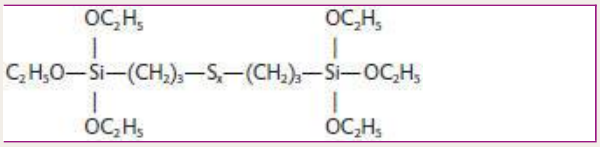
Properties and test methods	Value	Unit	Method
Sulfur content	14.4	%	Evonik method
By-products, GC	≤ 3.0	%	ASTM D 6843
Average sulfur chain length, HPLC	2.15		ASTM D 6844
Average molecular weight	480	g/mol	calculated
Density	1.03	g/cm³	DIN 51757
Appearance	yellowish liquid		

Registration

Si 266®

AICS (Australia)	listed
DSL (Canada)	listed
IECSC (China)	listed
EINECS (Europe)	pre-registered
ENCS (Japan)	listed
KECI (Korea)	listed
PICCS (Philippines)	listed
TSCA (USA)	listed

Si 266® is a bifunctional, sulfur-containing organosilane for rubber applications in combination with white fillers containing silanol groups.



Properties and application

Si 266® reacts with silanol groups of white fillers during mixing and with the polymer during vulcanization under formation of covalent chemical bonds. Si 266® imparts greater tensile strength, higher moduli, reduced compression set, increased abrasion resistance and optimized dynamic properties.

The product is also available as a dry blend (1:1) with carbon black, named X 266-S®.

Application fields are:
Low rolling resistance tires

Packaging and storage

Si 266® - 12 months

The storage stability only applies to material stored under appropriate conditions (original unopened containers, stored dry and between +10 °C and +40 °C, protected from direct sunlight).

Aqueous acids and bases accelerate the transformation of organosilanes to polymer siloxanes. Therefore, organosilanes should be stored in a dry place, away from acids and bases.

The quality of this product can also be influenced by moisture (humidity). During handling and storage, please prevent humidity from entering the container. Keep container tightly closed during storage and close it immediately after use.

Forms of supply:
25 kg PE Container
200 kg PE Drum
1000 IBC (PE)

Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from:

Evonik Industries AG, IM-PT-PS
e-mail sds-im@evonik.com
Phone +49 6181 59-4787
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We recommend that information concerning the product safety of our organosilanes be obtained and carefully read prior to their use.

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