

X 266-S®

Bis(triethoxysilylpropyl)polysulfide

Technical data

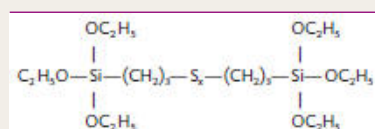
Properties and test methods	Value	Unit	Method
Active substance	50	%	
Sulfur content	7.2	%	ASTM D 6741
Volatiles	2.0	%	ISO 787-2
Average sulfur chain length of active substance, HPLC	2.15		ASTM D 6844
Average molecular weight of active substance	480	g / mol	calculated
Pour density	770	g / l	ASTM D 1513

Registration

X 266-S®

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

X 266-S® is a blend of the bifunctional, sulfur-containing organosilane Si 266® and an N 330 type carbon black in the ratio 1:1 by weight. The product is applied in the rubber industry in combination with white fillers containing silanol groups.



Properties and application

X 266-S® was developed for customers who prefer to handle Si 266® in a solid version. The Si 266® in the X 266-S® reacts with silanol groups of white fillers during mixing and with the polymer during vulcanization under formation of covalent chemical bonds. X 266-S® imparts greater tensile strength, higher moduli, reduced compression set, increased abrasion resistance and optimized dynamic properties. Compared to X 50-S®, a blend with polysulfidic organosilane, X 266-S® has a higher temperature stability and therefore allows higher mixing temperatures.

Application fields are:

Low rolling resistance tires

Packaging and storage

X266-S* - 12 months.

The storage stability only applies to material stored under appropriate conditions (original unopened containers, stored dry and below +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.

Opened bags should be used within a short period of time.

Forms of supply:

25 kg PE bags
1000 kg FIBC

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

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Fax +49 6181 59-4205

We recommend that information concerning the product safety of our organosilanes be obtained and carefully read prior to their use.

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