

VP Si 363®

Technical data

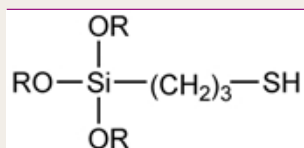
Properties and test methods	Value	Unit	Method
Sulfur content	3.3	%	ASTM D 6741
Residue on ignition	6.1	%	ASTM D 6740
Average molecular weight	988	g/mol	calculated
Density	0.99	g/cm ³	DIN 51757
Appearance	light yellow to light brown liquid		

Registration

VP Si 363®

REACH (Europe)	listed
PICCS (Philippines)	pre-registered

VP Si 363® is a bifunctional organosilane for rubber applications in combination with white fillers containing silanol groups.



with R = C₁₃H₂₇(OC₂H₄)_n and C₂H₅
 - average content of C₂H₅ ~33%
 - average number of n = 5

Properties and application

VP Si 363® reacts with silanol groups of white fillers during mixing while releasing significantly less ethanol than regular triethoxy silanes. During vulcanization it reacts with the polymer under formation of covalent chemical bonds. This imparts excellent hydrophobation, lower viscosity, greater tensile strength, higher moduli, reduced compression set, increased abrasion resistance and excellent dynamic properties. VP Si 363® is used in the rubber industry in compounds where silanol group-containing white fillers are used and optimum technical properties are required.

Application fields are:

Low rolling resistance tires
 mechanical rubber goods
 shoe soles

Packaging and storage

VP Si 363® - 6 months

The above storage stability can only be guaranteed for material in original unopened containers which have been stored in a cool and well ventilated place.

Owing to their reactive groups, organosilanes may react with many chemical compounds. In particular, they are able to form polymeric siloxanes with water if acidic or alkaline substances, which have a catalyzing effect, are present. Any contact between organosilanes and such substances should therefore be avoided. All containers, storage tanks and filling devices should be reserved for one particular silane.

Please make sure that cans are resealed immediately after use.

Forms of supply:

25 kg PE Container
200 kg PE Drum
1000 kg 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

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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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