

COUPSIL® VP 6508

Characteristic physico-chemical data

Properties and test methods	Value	Unit	Method
Silane content	7.8	%	Evonik method
Volatiles	4.0	%	Evonik method
pH-value	7.2		ISO 789-9
Tamped density	220	g/l	ISO 787-11
Appearance	white powder		

Registration

COUPSIL® VP 6508

IECSC (China)	listed
EC (Europe)	listed
ENCS (Japan)	listed
KECI (Korea)	listed
PICCS (Philippines)	listed
TECSI (Taiwan)	listed
TSCA (USA)	listed

Precipitated silica, surface-modified with organosilane DYNASYLAN® VTEO for application in the rubber industry.

Description

Reaction product of organosilane DYNASYLAN® VTEO [Vinyltriethoxysilan] and ULTRASIL® VN 2 (specific surface area 130 m²/g). The product consists of 100 parts of ULTRASIL® VN 2 modified with 8 parts of DYNASYLAN® VTEO. Since the reaction between the organosilane and the silica is nearly completed, COUPSIL® VP 6508 offers the advantage of a homogeneous modification with low moisture adsorption during storage and significantly lower development of ethanol during mixing and processing.

Applications and properties

COUPSIL® VP 6508 is used as a reinforcing filler in rubber compounds. It reacts with unsaturated polymers during vulcanization under formation of covalent chemical bonds. This imparts greater tensile strength, higher moduli, reduced compression set, increased abrasion resistance and optimized dynamic properties. COUPSIL® VP 6508 is used in peroxide-cured rubber compounds in combination with white fillers and where optimum technical properties are required.

Application fields are: Mechanical rubber goods

Packaging and storage

COUPSIL® VP 6508 - min. 12 months

To ensure that product properties and application behavior remain unchanged, our precipitated silicas and silicates ought to be stored in closed and dry premises protected against exposure to volatile substances. Strict observance of optimum storage conditions ensures prolonged usability, nevertheless we recommend not to exceed a storage period of approximately one year.

Forms of supply:

12.5 kg Paper Bags

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 Resource Efficiency GmbH, Product Safety Department,
E-mail sds-hu@evonik.com

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

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