

ULTRASIL® VN 2

Product Information Silica

PI 201

Physico-chemical properties

Specific surface area (N₂)	m ² /g	125	ISO 5794-1 Annex D
Heating loss	%	5.5	ISO 787-2
pH-value		6.9	ISO 787-9
Tapped density	g/l	190	ISO 787-11
Appearance	white powder		

Registration number: CAS No 112926-00-8

Registration status

Australia	AICS	registered
Canada	DSL	registered
China	IECSC	registered
Europe	EINECS	registered
Japan	ENCS	registered
Korea	KECI	registered
New Zealand	NZIoC	registered
Philippines	PICCS	registered
USA	TSCA	registered

1. General description

Precipitated silica for use as a white reinforcing filler in the rubber industry.

2. Chemical description

SiO₂, synthetically produced amorphous silicon dioxide.

3. Application

Due to its lower specific surface area ULTRASIL® VN 2 has a slightly lower reinforcing potential compared to ULTRASIL® VN 3. It imparts to rubber compounds high Shore hardness, tensile strength, tear resistance and abrasion resistance and offers advantages concerning compound viscosity and processing.

In order to achieve optimum rubber-technical data the addition of activators like glycols, amines or other alkaline accelerators is necessary.

Application fields are:

Tires, mechanical rubber goods.

4. Storage stability

ULTRASIL® VN 2	12 months
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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.

5. Forms of supply

450 kg FIBC*

Bulk Shipment

*FIBC = Flexible Intermediate Bulk Container (Big Bag)

6. Product safety

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:

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E-MAIL sds.asfp@evonik.com

TELEFON +49 6181 59-4454

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

7. Technical literature

Technical literature on the use of silicas can be ordered at the below-mentioned address.

You will also find additional information at www.evonik.com



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