

## ULTRASIL® 7000

### Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Specific surface area (N <sub>2</sub> ) Multipoint following ISO 9277	m <sup>2</sup> /g	175
Loss on drying 2 h at 105°C following ISO 787-2	%	5.2
pH value 5 % in water following ISO 787-9	-	6.5
Tamped density following ISO 787-11	g/l	160
Sieve residue Alpine 63 µm following ISO 8130-1	%	≤ 25
Electrical conductivity 4 % in water following ISO 787-14	µS/cm	≤ 1300
SiO <sub>2</sub> content <sup>1)</sup> following ISO 3262-19	%	≥ 97
Fe content <sup>1)</sup> internal method	ppm	≤ 400
Cu content <sup>1)</sup> internal method	ppm	≤ 6
Mn content <sup>1)</sup> internal method	ppm	≤ 6

<sup>1)</sup> based on ignited substance (2 h/1000°C)  
 \*) The given data are typical values. Specifications on request.

### Chemical description

SiO<sub>2</sub>, synthetically produced amorphous silicon dioxide.

### Registration

#### ULTRASIL® 7000

CAS-No.	112926-00-8 7631-86-9
DSL (Canada)	registered
IECSC (China)	registered
REACH (Europe)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
NZIoC (New Zealand)	registered
PICCS (Philippines)	registered
TSCA (USA)	registered
AICS (Australia)	registered

ULTRASIL® 7000 is a precipitated silica for use as a reinforcement filler in the rubber industry.

### Properties and applications

ULTRASIL® 7000 is an easily dispersible and highly reinforcing silica which was especially developed for application in low rolling resistant passenger car tire tread compounds. It imparts to tread compounds high abrasion resistance combined with excellent rolling resistance and wet traction. To achieve these properties it is necessary to use ULTRASIL® 7000 and a bifunctional organosilane, such as Si 69®, Si 75®, Si 266® or VP Si 363. Additionally, the use of diethylene glycol, triethanolamine or other alkaline accelerators might be necessary in order to achieve optimum rubber-technical data.

Application fields are: Tires, mechanical rubber goods.

## Packaging and storage

For details regarding our packaging options for this product, please contact us.

Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

## 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](mailto:sds-hu@evonik.com). We recommend to read carefully the safety data sheet prior to the use of our product.

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### Applied Technology

#### Evonik Resource Efficiency GmbH

Business Line Silica  
Applied Technology Tire & MRG  
Brühler Straße 2  
50389 Wesseling  
Germany  
PHONE +49 2236 76 3489  
[ask-si@evonik.com](mailto:ask-si@evonik.com)  
[www.ultrasil.evonik.com](http://www.ultrasil.evonik.com)

### Europe/ Middle-East/

#### Africa/ Latin America

#### Evonik Resource Efficiency GmbH

Business Line Silica  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59 8118  
FAX +49 6181 59 78118  
[ask-si@evonik.com](mailto:ask-si@evonik.com)  
[www.ultrasil.evonik.com](http://www.ultrasil.evonik.com)

### North America

#### Evonik Corporation

Business Line Silica  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 888 745-4227  
FAX +1 732 981-5275  
[ask-si@evonik.com](mailto:ask-si@evonik.com)  
[www.ultrasil.evonik.com](http://www.ultrasil.evonik.com)

### Asia-Pacific

#### Evonik (SEA) Pte. Ltd.

Business Line Silica  
3 Internatioanl Business Park  
#07-18, Nordic European Centre  
Singapore 609927  
PHONE +65 6 809 6851  
FAX +65 6 809 6651  
[ask-si-asia@evonik.com](mailto:ask-si-asia@evonik.com)  
[www.ultrasil.evonik.com](http://www.ultrasil.evonik.com)