

# ULTRASIL® AS 7

## 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	65
Loss on drying 2 h at 105°C following ISO 787-2	%	5.5
pH value 5 % in water following ISO 787-9	-	11.3
Tamped density following ISO 787-11	g/l	220
Sieve residue Mocker 45 µm following ISO 787-18	%	≤ 0.5
SiO <sub>2</sub> content <sup>2)</sup> following ISO 3262-19	%	≥ 80
Al content <sup>1)</sup> internal method	%	5.5
Na content <sup>1)</sup> internal method	%	6.0
1) based on original substance 2) based on ignited substance (2 h/1000°C) *) The given data are typical values. Specifications on request.		

## Chemical description

SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>, synthetically produced amorphous sodium/aluminium silicate

## Registration

### ULTRASIL® AS 7

CAS-No.	1344-00-9
C&L inventory (Europe)	notified
EC (Europe)	231-545-4
REACH (Europe)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
NZIoC (New Zealand), AICS (Australia)	registered
PICCS (Philippines)	registered
IECSC (China)	registered
DSL (Canada), TSCA (USA)	registered

ULTRASIL® AS 7 is a precipitated sodium aluminum silicate for use as a reinforcement filler in the rubber industry.

## Properties and applications

ULTRASIL® AS 7 is a fine product which combines a medium reinforcing effect in rubber with particularly easy processing. Thus ULTRASIL® AS 7 can be used in higher concentrations than highly active silicas. The reinforcing effect of this product can be adjusted over a wide range by blending it with ULTRASIL® VN 3 or with inert fillers.

Application fields are: Mechanical rubber goods.

## 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 Operations, Product Safety Department, E-MAIL [sds-im@evonik.com](mailto:sds-im@evonik.com) We recommend to read carefully the safety data sheet prior to the use of our product.

## Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative.

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.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

### Applied Technology

#### Evonik Operations GmbH

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

### Europe/ Middle-East/

#### Africa/ Latin America

#### Evonik Operations 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.silica-specialist.com](http://www.silica-specialist.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.silica-specialist.com](http://www.silica-specialist.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.silica-specialist.com](http://www.silica-specialist.com)