

PRODUCT SHEET

CERATOSIL® VS2

CERATOFIX® VS2

Description:

CERATOSIL® / CERATOFIX® VS2 is a sodium bentonite with outstanding adsorption capacity and swelling power. It is very well suited as a filler and as a carrier substance for reactive and inert materials. As an effective structuring agent it serves for shaping, improves extrusion behaviour and prevents from settling. It is also used in glazes and engobes, as well as in monolithic refractory masses and washes.

CERATOSIL® / CERATOFIX® VS2 ist ein Natriumbentonit mit ausgezeichnetem Adsorptions- und Quellvermögen. Er eignet sich sehr gut als Füllstoff und als Träger für reaktive und inerte Materialien. Als wirksames Strukturhilfsmittel dient er der Formgebung und verbessert das Extrusionsverhalten. Als rheologisches, thixotropes Additiv wird es sowohl in Glasuren und Engoben als auch in monolithischen feuerfesten Massen und Schichten eingesetzt.

TYPICAL PROPERTIES

Color	silk grey
Form	powder
Moisture content	6 - 14%
Bulk density	750-850 kg/m ³
methylen blue adsorption	250-350 mg/g
Swelling volume (H ₂ O dest.)	approx. 24 ml/2 g
Enslin-Neff (H ₂ O dest., 24 h)	approx. 700%
pH value	9-11
Sieve residue (>63 µm dry)	10-25%

Publisher

Clariant Produkte (Deutschland) GmbH
BU Adsorbents & Additives
Specialties
Ostenriederstraße 15
85368 Moosburg
Germany

Copyright ©

Clariant International Ltd, 2023

Contact

Alexander Mayerhofer
Alexander.mayerhofer@clariant.com
Phone +49 8761 82 509

Issue

January 2023

MINERALOGICAL COMPOSITION

Main mineral	Montmorillonite
Accompanying minerals:	
Quartz	2 - 5%
Mica	0 - 1%
Feldspar	1 - 6%
Calcite	1 - 2%
Dolomite	0 - 1%

CHEMICAL COMPOSITION

SiO ₂	59%
Al ₂ O ₃	20%
TiO ₂	0.3%
Fe ₂ O ₃	5%
MgO	3%
CaO	2%
Na ₂ O	2%
K ₂ O	0.7%
MnO ₂	0.06%
Loss of ignition (1000°C)	8%
Fluoride	0.1%

The expressed values of the accompanying components can vary by $\pm 20\%$ due to natural dispersion of the raw material.

Packaging: bulk, big bags, bags

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application.* Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

*For sales to customers located within the United States and Canada the following applies in addition: NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.