



# MARTOXID<sup>®</sup> KMS-98

## Aluminum Oxide

### Einsatzbeispiele / Applications

Fertigverpreßbare Masse zur uniaxialen und isostatischen Verarbeitung; für die Herstellung von oxidkeramischen Erzeugnissen, wie z.B. Mahlmedien, Isolatoren und verschleißfeste Teile.

Feedstock ready to press for uniaxial and isostatic pressing for the production of oxide ceramic bodies such as grinding media, insulating and wear-resistant parts, etc.

### Durchschnittsanalyse / Typical analysis

|  |                                   |        |
|--|-----------------------------------|--------|
| Al <sub>2</sub> O <sub>3</sub>   | [%]                               | ≈ 98.0 |
| Na <sub>2</sub> O total  | [%]                               | ≤ 0.1  |
| CaO  | [%]                               | ≈ 0.6  |
| Fe <sub>2</sub> O <sub>3</sub>   | [%]                               | ≤ 0.1  |
| SiO <sub>2</sub>   | [%]                               | ≈ 1.0  |
| MgO  | [%]                               | ≈ 0.4  |
| Glühverlust / Loss on Ignition   | [%]                               | ≈ 3    |
| Schüttdichte / Bulk Density  | [kg/m <sup>3</sup> ]              | ≈ 1200 |
| Feuchte / Moisture   | [%]                               | ≤ 0.35 |
| Mittlerer Granulatdurchmesser / median granule size<br>(Siebung / Screening) | [µm]                              | ≈ 130  |
| Typische Verarbeitungseigenschaften /<br>Typical Processing Features:        |                                   |        |
| Pressdichte / Green Density  | (100MPa) [g/cm <sup>3</sup> ]     | ≈ 2.45 |
| Sinterdichte / Fired Density   | (1600°C, 2h) [g/cm <sup>3</sup> ] | ≈ 3.88 |

## Shipping Information

Packaging and minimum order quantity information is available from sales or customer service.

## Safety and Handling Information

For specific safety, toxicity and handling information, please refer to the material safety data sheet on this product.

## Chemical Registration Numbers

|                                 |                         |
|---------------------------------|-------------------------|
| Chem. Bezeichnung / Chem. name: | Aluminiumoxid           |
| Formel / formula:               | $\text{Al}_2\text{O}_3$ |
| CAS No.:                        | 1344-28-1               |
| EC/EINECS No.:                  | 215-691-6               |
| UN-Nr.:                         | ---                     |

---

### EUROPE, MIDDLE EAST, AFRICA

Martinswerk GmbH  
Kölner Straße 110  
D-50127 Bergheim

Phone: +49-2271-902-0  
Fax: +49-2271-902-710

### AMERICAS

Huber Engineered Materials  
3100 Cumberland Boulevard  
Suite 600  
Atlanta, Georgia 30339

Phone: +1 (678) 247-7300  
Fax: +1 (678) 247-2797

### ASIA PACIFIC

Huber Fire Retardant Additives  
(Qingdao) Co.Ltd  
8th Floor No.2 Building, No.7,  
Wuyishan Road, Huangdao District,  
Qingdao – China

Phone: +86 532-58792008  
Fax: +86 532-58792008

Web: [www.martinswerk.de](http://www.martinswerk.de)  
[www.hubermaterials.com](http://www.hubermaterials.com)

Email: [info@martinswerk.com](mailto:info@martinswerk.com)  
[hubermaterials@huber.com](mailto:hubermaterials@huber.com)



THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Refer to Martinswerk's Standard Conditions of Sale for the only express warranties applicable to the Martinswerk products. Products incorporating Martinswerk products are not warranted by Martinswerk. In no event is Martinswerk liable for consequential damages. **MARTOXID**® is used, applied for, or registered as a trademark of Martinswerk GmbH in various countries around the world.  
© September 2022 Martinswerk GmbH