



# MARTOXID® KMS-99

## Aluminum Oxide

### Einsatzbeispiele / Applications

Fertigverpreßbare Masse zur uniaxialen und isostatischen Verarbeitung; für die Herstellung von oxidkeramischen Erzeugnissen im Bereich der Mechano- und Elektrokeramik.

Feedstock ready to press for uniaxial and isostatic pressing for the production of oxide ceramic bodies such as engineering ceramics, electronic components and functional ceramics.

### Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.0
Na <sub>2</sub> O total	[%]	≤ 0.1
CaO	[%]	≈ 0.2
Fe <sub>2</sub> O <sub>3</sub>	[%]	≤ 0.05
SiO <sub>2</sub>	[%]	≈ 0.4
MgO	[%]	≈ 0.2
Glühverlust / Loss on Ignition	[%]	≈ 3
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 1250
Feuchte / Moisture	[%]	≤ 0.2
Mittlerer Granulatdurchmesser / median granule size (Siebung / Screening)	[µm]	≈ 150
Typische Verarbeitungseigenschaften / Typical Processing Features:		
Pressdichte / Green Density	(100MPa) [g/cm <sup>3</sup> ]	≈ 2.48
Sinterdichte / Fired Density	(1600°C, 2h) [g/cm <sup>3</sup> ]	≈ 3.90

## 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.:	---

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