



# MARTOXID<sup>®</sup> KMS-96

## 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>	[%]	≈ 96.0
Na <sub>2</sub> O	[%]	≤ 0.1
CaO	[%]	≈ 1.3
Fe <sub>2</sub> O <sub>3</sub>	[%]	≤ 0.1
SiO <sub>2</sub>	[%]	≈ 1.9
MgO	[%]	≈ 0.7
Glühverlust / Loss on Ignition	[%]	≈ 3.6
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 1200
Feuchte / Moisture	[%]	≤ 0.3
mittlerer Granulatdurchmesser / median granule size (Siebung / Screening)	[µm]	≈ 170
Typische Verarbeitungseigenschaften / Typical Processing Features:		
Pressdichte / Green Density	(100MPa) [g/cm <sup>3</sup> ]	≈ 2.4
Sinterdichte / Fired Density	(1600 °C, 2h) [g/cm <sup>3</sup> ]	≈ 3.8

### Shipping Information

Transportation classification: not regulated for transportation  
Harmonized tariff number: 28182000

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:  $Al_2O_3$   
CAS No.: 1344-28-1  
EC/EINECS No.: 215-691-6  
UN-Nr.: ---

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