



# MARTOXID® MR-23

## Einsatzbeispiele / Applications

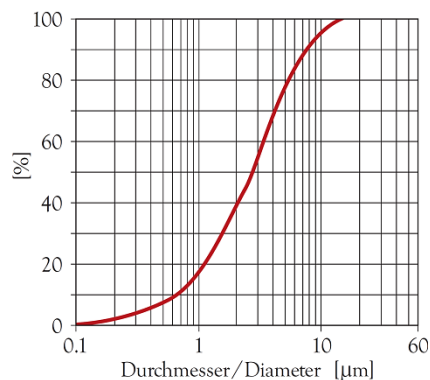
Al<sub>2</sub>O<sub>3</sub>-Komponente für Hartporzellan, feuerfeste Bindesysteme und Verschleißkeramiken.

Al<sub>2</sub>O<sub>3</sub>-component in hard porcelains, refractory binding systems and wear-resistant ceramics.

## Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.8
Na <sub>2</sub> O total	[%]	≤ 0.1
CaO	[%]	≈ 0.02
Fe <sub>2</sub> O <sub>3</sub>	[%]	≈ 0.02
SiO <sub>2</sub>	[%]	≈ 0.05
α-Al <sub>2</sub> O <sub>3</sub>	[%]	≥ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.2
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	1.3 – 2.3
Primärkorn / Primary Crystal	[μm]	≈ 3
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 600
Gründichte / Green Density (50 MPa)	[g/cm <sup>3</sup> ]	2.16 – 2.30

## Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d <sub>10</sub> [μm]	0.4 – 0.9
d <sub>50</sub> [μm]	2.0 – 3.5
d <sub>90</sub> [μm]	5.0 – 9.0
> 45 μm [%]	≤ 1

Die oben genannten Werte sind nur als Richtwerte zu verstehen und nicht etwa als zugesicherte Eigenschaften.  
The above mentioned values should be taken only as indications and not as guaranteed properties.

## 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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