



# MARTOXID<sup>®</sup> MZS-1

## Aluminum Oxide

### Einsatzbeispiele / Applications

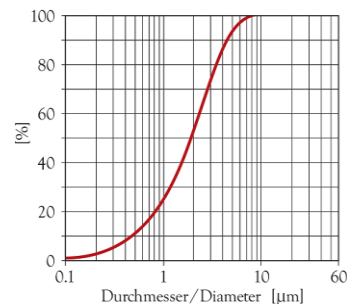
Al<sub>2</sub>O<sub>3</sub>-Komponente für Hartporzellan, feuerfeste Bindsysteme und Verschleißkeramik.

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>	[%]	≈ 0.03
SiO <sub>2</sub>	[%]	≈ 0.06
α-Al <sub>2</sub> O <sub>3</sub>	[%]	≥ 95
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	1.5 – 2.5
Primärkorn / Primary Crystal	[μm]	≈ 3
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 650

### Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d <sub>10</sub> [μm]	0.1 – 0.6
d <sub>50</sub> [μm]	1.5 – 1.9
d <sub>90</sub> [μm]	2.7 – 5
> 45 μm [%]	≤ 1

## 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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