



# MARTOXID® RN-405

## Aluminum Oxide

### Einsatzbeispiele / Applications

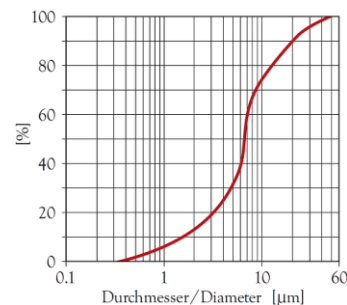
Al<sub>2</sub>O<sub>3</sub>-Komponente in Porzellan, Feuerfestprodukten und keramischen Farben (Glasuren und Fritten).

Al<sub>2</sub>O<sub>3</sub>-component in porcelains, refractories, ceramic colours (glazes and frits).

### Durchschnittsanalyse / Typical analysis

|   |                      |        |
|---|----------------------|--------|
| Al <sub>2</sub> O <sub>3</sub>                          | [%]                  | ≈ 99.3 |
| Na <sub>2</sub> O total                                 | [%]                  | ≤ 0.5  |
| CaO   | [%]                  | ≈ 0.06 |
| Fe <sub>2</sub> O <sub>3</sub>                          | [%]                  | ≈ 0.03 |
| α-Al <sub>2</sub> O <sub>3</sub>                        | [%]                  | ≥ 70   |
| Glühverlust / Loss on ignition                          | [%]                  | ≤ 0.3  |
| Spezifische Oberfläche /<br>Specific Surface Area (BET) | [m <sup>2</sup> /g]  | ≤ 6    |
| Primärkorn / Primary Crystal                            | [μm]                 | ≈ 3    |
| Schüttdichte / Bulk Density                             | [kg/m <sup>2</sup> ] | ≈ 700  |

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



d<sub>50</sub> [μm]      3 – 7  
> 45 μm [%]    0 – 10

## 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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