



# MARTOXID® PN-505

## Einsatzbeispiele / Applications

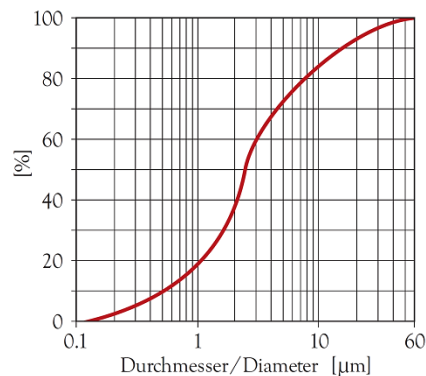
Aluminiumoxid zur Herstellung von Polierpasten und -emulsionen, insbesondere für die Hochglanz- und Nachpolitur von Edelstahl, Nichteisenmetallen, Lacken und Kunststoffen.

Aluminium oxide for the production of polishing pastes and emulsions, especially for fine polishing and repolishing of stainless steel, nonferrous metals, lacquers and plastics.

## Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.3
Na <sub>2</sub> O total	[%]	≤ 0.1
CaO	[%]	≈ 0.05
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>	[%]	≥ 70
Glühverlust / Loss on ignition	[%]	≈ 0.2
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	7 – 15
Primärkorn / Primary Crystal	[µm]	≈ 1
Schüttdichte / Bulk Density	[kg/m <sup>2</sup> ]	≈ 1000

## Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d <sub>10</sub> [µm]	0.4 – 0.6
d <sub>50</sub> [µm]	1.5 – 3
d <sub>90</sub> [µm]	7 – 14
> 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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