



# MARTOXID® MPS

## Einsatzbeispiele / Applications

Feinteiliges, sehr weiches Aluminiumoxid zur Herstellung von Hochglanzpolituren für Stahl (insbesondere Edelstahl); zur Politur von Nichteisenmetallen, zum Feinschliff von Kunststoffen und Lacken, sowie für Oxidkeramik mit bis zu sehr hohen  $Al_2O_3$ -Gehalten.

Fine-grained, very soft aluminium oxide for the production of high-brilliance polishing agents for mainly stainless steel and steel, as well as for polishing agents for nonferrous metals and for the fine grinding of plastics and lacquers, as well as for oxide ceramics even with very high  $Al_2O_3$ -content.

## Durchschnittsanalyse / Typical analysis

$Al_2O_3$	[%]	≈ 99.8
$Na_2O$ total	[%]	≤ 0.1
CaO	[%]	≈ 0.02
$Fe_2O_3$	[%]	≈ 0.02
$SiO_2$	[%]	≈ 0.04
$\alpha-Al_2O_3$	[%]	≥ 70
Glühverlust / Loss on Ignition	[%]	≤ 0.2
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	3 - 6
Primärkorn / Primary Crystal	[µm]	≈ 1
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 950

## Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)

> 106 µm [%]	10 – 50
106 – 63 µm [%]	40 – 70
63 – 45 µm [%]	4 – 20
< 45 µm [%]	≤ 20

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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