



# MARTOXID<sup>®</sup> MPS

## Aluminum Oxide

### 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<sub>2</sub>O<sub>3</sub>-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<sub>2</sub>O<sub>3</sub>-content.

### 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>	[%]	≈ 0.04
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]	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

## 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:	Al <sub>2</sub> O <sub>3</sub>
CAS No.:	1344-28-1
EC/EINECS No.:	215-691-6
UN-Nr.:	---

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