



# MARTOXID<sup>®</sup> TM-4410

Oberflächenbeschichtet / coated

## Einsatzbeispiele / Applications

Wärmeleitendes feinstgemahlenes Aluminiumoxid als Füllstoff für Thermoplaste, insbesondere Polyamide. Einsatz für das Thermomanagement und zur Verbesserung der mechanischen, elektrischen, rheologischen Eigenschaften.

Thermally conductive super ground aluminium oxide as a filler in thermoplastics, especially polyamides. Used for thermal management, improvement of mechanical, electrical, and rheological properties.

## Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	> 99.5
Na <sub>2</sub> O total	[%]	≈ 0.05
CaO	[%]	≈ 0.04
Fe <sub>2</sub> O <sub>3</sub>	[%]	≈ 0.03
SiO <sub>2</sub>	[%]	≈ 0.08
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	≈ 1.2
Stampfdichte / Tapped Density	[g/l]	≈ 1500
Korngröße / Particle Size (Cilas 1064)	d <sub>50</sub> [μm]	≈ 3.5
	d <sub>100</sub> [μm]	≈ 30

## Shipping Information

Transportation classification: not regulated for transportation  
Harmonized tariff number: 28182000

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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