



# MARTOXID® DN-6

## Aluminum Oxide

### Einsatzbeispiele / Applications

Feuerfestprodukte; Ummantelungen von Schweißelektroden; Bremsbeläge; Herstellung technischer Keramik mit niedriger Brennschwindigkeit; Glasuren und Email.

Refractory products; coatings for welding electrodes; brake liners; production of technical ceramics with low shrinkage during firing; ceramic glazes and enamels.

### Durchschnittsanalyse / Typical analysis

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.3
Na <sub>2</sub> O total	[%]	≤ 0.5
CaO	[%]	≈ 0.05
Fe <sub>2</sub> O <sub>3</sub>	[%]	≈ 0.02
SiO <sub>2</sub>	[%]	≈ 0.012
α-Al <sub>2</sub> O <sub>3</sub>	[%]	≥ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.2
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	0.2 – 0.5
Primärkorn / Primary Crystal	[μm]	≈ 6
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 750
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)		
	> 106 μm [%]	10 – 40
	106 – 63 μm [%]	30 – 60
	63 – 45 μm [%]	5 – 15
	< 45 μm [%]	10 – 35

## 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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