



MARTOXID® S-100

Aluminum Oxide

Einsatzbeispiele / Applications

Aluminiumoxid für keramische Beschichtungen in Lithiumionenbatterien.

Alumina oxide for ceramic coatings in lithiumion batteries.

Durchschnittsanalyse / Typical analysis

Al ₂ O ₃	[%]	≈ 99.8
Na ₂ O	[%]	≈ 0.06
CaO	[%]	≈ 0.02
Fe ₂ O ₃	[%]	≈ 0.02
SiO ₂	[%]	≈ 0.08
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	≈ 7.8
Feuchte / Moisture (@105 °C)	[%]	< 0.2
Glühverlust / Loss on Ignition (@105-1000 °C)	[%]	< 0.5
Korngrößenverteilung / Particle Size Distribution (Beckmann Coulter)	d ₁₀ [µm]	≈ 0.2
	d ₅₀ [µm]	≈ 0.4
	d ₉₀ [µm]	≈ 1.4
	d ₉₅ [µm]	≈ 1.6

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_2O_3
CAS No.:	1344-28-1
EC/EINECS No.:	215-691-6
UN-Nr.:	---

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