

Einsatzbeispiele /  
Applications

Aluminiumoxid für die Herstellung von Läppmitteln zur Bearbeitung von Glas- und Kristallflächen, Ventilsitzen etc.

Aluminium oxide for the production of lapping abrasives for surface treatment of glass and crystal, ball bearings, valve seats, etc.

Durchschnittsanalyse /  
Typical analysis

		DN/Y	MN/Y
Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 99.0	≈ 99.0
Na <sub>2</sub> O total		0.6 - 0.8	0.4 - 0.9
CaO		≤ 0.05	≤ 0.05
Fe <sub>2</sub> O <sub>3</sub>		≤ 0.04	≤ 0.04
SiO <sub>2</sub>		≤ 0.04	≤ 0.04
α-Al <sub>2</sub> O <sub>3</sub>	[%]	≥ 85	≥ 85
Glühverlust / Loss on Ignition	[%]	≤ 0.1	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	0.25 - 0.65	0.1 - 0.35
Primärkorn / Primary Crystal	[µm]	≈ 10	≈ 15
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 700	≈ 900
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)			
	> 106 µm [%]	20 - 50	30 - 50
	106 - 63 µm [%]	30 - 50	35 - 50
	63 - 45 µm [%]	10 - 20	5 - 15
	< 45 µm [%]	10 - 20	5 - 20



## 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: Aluminiumoxid  
Formel:  $\text{Al}_2\text{O}_3$   
CAS No. : 1344-28-1  
EG-/EINECS No.: 215-691-6  
UN-Nr.: ~



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### AMERICAS

Albemarle Corporation  
451 Florida Street  
Baton Rouge, Louisiana 70801-1765  
Phone: 225-388-7402  
Toll-Free: 800-535-3030  
Fax: 225-388-7848

### EUROPE, MIDDLE EAST, AFRICA

Albemarle Europe SPRL  
Parc Scientifique Einstein  
Rue du Bosquet 9  
B-1348 Louvain-la-Neuve Sud, Belgium  
Phone: 32-10-48-1711  
Fax: 32-10-48-1717  
Martinswerk GmbH  
Kölner Straße 110  
D-50127 Bergheim  
Phone: 49-2271-902-467  
Fax: 49-2271-902-710

### ASIA PACIFIC

Albemarle Asia Pacific Company  
111 Somerset Road # 13-03  
Singapore 238164  
Phone: 65-6732-6286  
Fax: 65-6737-4155

Albemarle Asano Corporation  
16th Floor, Fukoku Seimei Building  
2-2, Uchisaiwaicho, 2-Chome  
Chiyoda-ku, Tokyo 100, Japan  
Phone: 81-3-5251-0791  
Fax: 81-3-3500-5623

China World Tower, Room 1317  
No. 1 Jian Guo Men Wai Avenue  
Beijing 100004 China  
Phone: 86-10-6505-4153 and -54  
Fax: 86-10-6505-4150

### INTERNET

www.martinswerk.de  
www.albemarle.com