

**Einsatzbeispiele /
Applications**

Hochverdichtbares, feinstgemahlenes Aluminiumoxid als reaktive Bindekomponente für geformte und ungeformte Feuerfesterzeugnisse sowie für technische Keramiken.

High compressible superground alumina as a reactive binding component for shaped and unshaped refractory products as well as for technical ceramics.

**Durchschnittsanalyse /
Typical analysis**

Al ₂ O ₃	[%]	≈ 99.8
Na ₂ O total		≤ 0.1
CaO		≤ 0.05
Fe ₂ O ₃		≤ 0.03
SiO ₂		≤ 0.06
MgO		≤ 0.1

Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	3.5 - 5
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Schüttdichte / Bulk Density	[kg/m ³]	≈ 900
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Wasseraufnahme / Water Adsorption	[ml/100 g]	≈ 10
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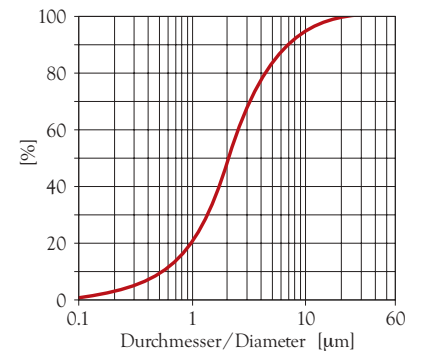
Typische Verarbeitungseigenschaften /
Typical Processing Features:

Gründichte / Green Density	(100 MPa) [g/cm ³]	2.4 - 2.6
Sinterdichte / Fired Density	(1600°C, 2h) [g/cm ³]	3.3 - 3.5

Korngrößenverteilung /

Particle Size Distribution (Cilas 1064)

d ₁₀	0.3 - 0.6 [µm]
d ₅₀	2 - 3 [µm]
d ₉₀	6 - 10 [µm]



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: Al_2O_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