

**Einsatzbeispiele /
Applications**

Fertigverpreßbare Masse zur uniaxialen und isostatischen Verarbeitung; für die Herstellung von oxidkeramischen Erzeugnissen (Al_2O_3 -Gehalt > 99.7 %), wie z.B. Pumpenkolben, Lager, Dichtscheiben, Isolatoren.

Ready to press granules for uniaxial and isostatic pressing of oxide ceramic bodies (Al_2O_3 > 99.7 %) such as pump pistons, bearings, sealing discs, insulation parts, etc.

**Durchschnittswerte /
Typical values**

Al_2O_3	[%]	≈ 99.8
CaO		≤ 0.05
Fe_2O_3		≤ 0.03
SiO_2		≤ 0.06
MgO		≤ 0.1
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Glühverlust / Loss on Ignition	[%]	≈ 4
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Schüttdichte / Bulk Density	[kg/m ³]	≈ 1200
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Feuchte / Moisture	[%]	≈ 0.3
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Typische Verarbeitungseigenschaften / Typical Processing Features:		
Pressdichte / Green Density	(100 MPa) [g/cm ³]	≥ 2.30
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Sinterdichte / Fired Density	(1600°C, 2h) [g/cm ³]	≥ 3.86
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Mittlerer Granulatdurchmesser / Median Granule Size	d_{50}	≈ 150 [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

Preparations on basis of aluminium oxide.
Partly with approx. 3 % of organic additives (polyvinyl ester, polyvinyl alcohol, polyethylene glycol, polycarboxylic acid). Partly with up to 6 % of magnesium silicates and up to 5 % of alkaline-earth carbonates.

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