

Einsatzbeispiele /
Applications

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

High compressible superground alumina as a reactive binding component for shaped and unshaped refractory products as well as for high performance 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		≤ 0.07
MgO		≤ 0.1

α-Al ₂ O ₃	[%]	≥ 95
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Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	6 - 10
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Schüttdichte / Bulk Density	[kg/m ³]	≈ 900
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Wasseraufnahme / Water Adsorption	[ml/100 g]	≈ 18
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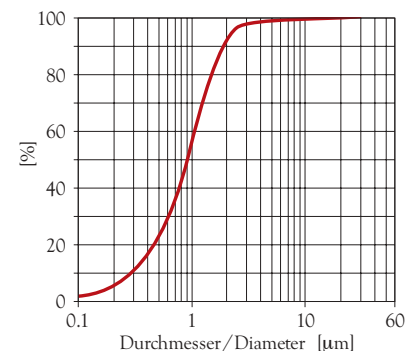
Typische Verarbeitungseigenschaften / Typical Processing Features:

Gründichte / Green Density	(100 MPa) [g/cm ³]	2.2 - 2.4
Sinterdichte / Fired Density	(1600°C, 2h) [g/cm ³]	3.80 - 3.92

Korngrößenverteilung /

Particle Size Distribution (Cilas 1064)

d ₁₀	0.2 - 0.4 [µm]
d ₅₀	0.5 - 0.8 [µm]
d ₉₀	1.5 - 3 [µm]
> 45 µm	0 [%]



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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