

**Einsatzbeispiele /
Applications**

Herstellung feuerfester Erzeugnisse wie Brennkapseln, Feuerfestzemente, Schamotte, Ofenauskleidungen für die Stahl- und Glasindustrie; Glasur-, Email- und Frittenherstellung.

Production of refractory products such as saggars, refractory cements, chamotte, furnace linings for the steel and glass industries, ceramic glazes, enamels and frits.

**Durchschnittsanalyse /
Typical analysis**

Al ₂ O ₃	[%]	≈ 99.3
Na ₂ O total		≤ 0.5
CaO		≤ 0.05
Fe ₂ O ₃		≤ 0.04
SiO ₂		≤ 0.04
α-Al ₂ O ₃	[%]	≥ 60
Glühverlust / Loss on ignition		≤ 0.5
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	0.2 – 20
Primärkorn / Primary Crystal	[µm]	≈ 6
Schüttdichte / Bulk Density	[kg/m ³]	≈ 800
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)		
	> 106 µm [%]	1 – 45
	106 – 63 µm [%]	1 – 55
	63 – 45 µm [%]	5 – 30
	< 45 µm [%]	4 – 70



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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