

**Einsatzbeispiele /
Applications**

Oxidkeramik mit bis zu sehr hohen Al₂O₃-Gehalten, insbesondere für mechanisch, thermisch, chemisch und elektrisch extrem belastbare Formstücke; Verschleißkeramik für eine Vielzahl von Industriezweigen.

Oxide ceramics even with very high Al₂O₃-content, especially shaped products subjected to extremely high mechanical, thermal, chemical and electrical loads; high efficiency wear-resistant parts for a wide variety of industries.

**Durchschnittsanalyse /
Typical analysis**

		MDS	MDLS
Al ₂ O ₃	[%]	≈ 99.8	≈ 99.8
Na ₂ O total		≤ 0.1	≤ 0.06
CaO		≤ 0.05	≤ 0.05
Fe ₂ O ₃		≤ 0.03	≤ 0.03
SiO ₂		≤ 0.08	≤ 0.08
α-Al ₂ O ₃	[%]	≥ 95	≥ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.1	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	0.3 - 0.6	0.3 - 0.6
Primärkorn / Primary Crystal	[µm]	≈ 4	≈ 4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 750	≈ 750
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)			
	> 106 µm [%]	45 - 65	45 - 65
	106 - 63 µm [%]	20 - 35	20 - 35
	63 - 45 µm [%]	5 - 15	5 - 15
	< 45 µm [%]	0 - 15	0 - 15



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.:	~

PROSTAR CHEMICALS CO., LTD.
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