MARTOXID® MZS

ALBEMARLE® CORPORATION

Einsatzbeispiele / Applications

Oxidkeramik mit bis zu sehr hohen Al_2O_3-Gehalten, insbesondere für mechanisch, thermisch, chemisch und elektrisch extrem belastbare Formstücke; Hochleistungszündkerzen für eine Vielzahl von Industriezweigen.

Oxide ceramics even with very high Al_2O_3-content, especially shaped products subjected to extremely high mechanical, thermal, chemical and electrical loads; high efficiency spark plugs for a wide variety of industries.

Durchschnittsanalyse / Typical analysis

Al_2O_3	[%]	≈ 99.8
Na_2O total		≤ 0.1
CaO		≤ 0.03
Fe_2O_3		≤ 0.03
SiO_2		≤ 0.05
α-Al_2O_3	[%]	≥ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m^2/g]	0.6 – 1.3
Primärkorn / Primary Crystal	[µm]	≈ 2.5
Schüttdichte / Bulk Density	[kg/m^3]	≈ 800
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)		
> 106 µm	[%]	20 – 50
106 – 63 µm	[%]	35 – 55
63 – 45 µm	[%]	1 – 15
< 45 µm	[%]	0 – 20

ZERTIFIZIERTES DIN EN ISO 9001 QUALITÄTSMANAGEMENTSYSTEM REG.-NR. 62

Die oben genannten Werte sind nur als Richtwerte zu verstehen und nicht etwa als zugesicherte Eigenschaften.
The above mentioned values should be taken only as indications and not as guaranteed properties.

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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