



MARTOXID[®] MDS

Aluminum Oxide

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

Al ₂ O ₃	[%]	≈ 99.8
Na ₂ O total	[%]	≤ 0.06
CaO	[%]	≈ 0.03
Fe ₂ O ₃	[%]	≈ 0.02
SiO ₂	[%]	≈ 0.05
α-Al ₂ O ₃	[%]	≈ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	0.5 – 0.65
Primärkorn / Primary Crystal	[μm]	≈ 4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 750
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)		
	> 106 μm [%]	15 – 40
	106 – 63 μm [%]	40 – 60
	63 – 45 μm [%]	2 – 15
	< 45 μm [%]	0 – 20

Shipping Information

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 / Chem. name: Aluminiumoxid
Formel / formula: Al_2O_3
CAS No.: 1344-28-1
EC/EINECS No.: 215-691-6
UN-Nr.: ---

EUROPE, MIDDLE EAST, AFRICA

Martinswerk GmbH
Kölner Straße 110
D-50127 Bergheim

Phone: +49-2271-902-0
Fax: +49-2271-902-710

AMERICAS

Huber Engineered Materials
3100 Cumberland Boulevard
Suite 600
Atlanta, Georgia 30339

Phone: +1 (678) 247-7300
Fax: +1 (678) 247-2797

ASIA PACIFIC

Huber Fire Retardant Additives
(Qingdao) Co.Ltd
8th Floor No.2 Building, No.7,
Wuyishan Road, Huangdao District,
Qingdao – China

Phone: +86 532-58792008
Fax: +86 532-58792008

Web: www.martinswerk.de
www.hubermaterials.com

Email: info@martinswerk.com
hubermaterials@huber.com



THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Refer to Martinswerk's Standard Conditions of Sale for the only express warranties applicable to the Martinswerk products. Products incorporating Martinswerk products are not warranted by Martinswerk. In no event is Martinswerk liable for consequential damages. **MARTOXID**® is used, applied for, or registered as a trademark of Martinswerk GmbH in various countries around the world.
© September 2022 Martinswerk GmbH