



MARTOXID[®] MZS-3

Aluminum Oxide

Einsatzbeispiele / Applications

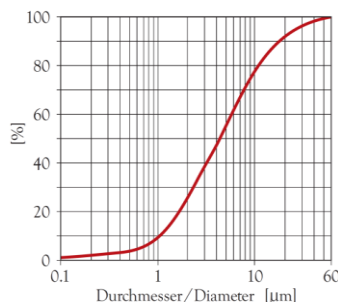
Fertigung hochwertiger Feuerfestprodukte mit niedrigem Na₂O-Gehalt, z.B. Brennhilfsmittel, Massen, Mörtel; Herstellung mechanisch, chemisch und elektrisch extrem belastbarer Formstücke, z.B. über das Extrudieren oder Verpressen.

Manufacturing of high-quality refractories with low soda content, e.g. saggars, masses, mortars; production by extrusion, pressing etc. of wear-resistant parts, subjected to extremely high mechanical, chemical and electrical loads.

Durchschnittsanalyse / Typical analysis

Al ₂ O ₃	[%]	≈ 99.8
Na ₂ O total	[%]	≤ 0.1
CaO	[%]	≈ 0.02
Fe ₂ O ₃	[%]	≈ 0.03
SiO ₂	[%]	≈ 0.06
α-Al ₂ O ₃	[%]	≥ 95
Glühverlust	[%]	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	0.8 – 1.5
Primärkorn / Primary Crystal	[μm]	≈ 2.5
Schüttdichte / Bulk Density	[kg/m ³]	≈ 600

Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d ₁₀ [μm]	0.6 – 1.1
d ₅₀ [μm]	2.5 – 5
d ₉₀ [μm]	7 – 13
> 45 μm [%]	0 – 3

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.:	---

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