



MARTOXID® MR-70

Einsatzbeispiele / Applications

Hochverdichtbares, feinstgemahlenes Aluminiumoxid als reaktive Bindekomponente für geformte und ungeformte Feuerfesterzeugnisse sowie für hochwertige technische Keramiken.

High compressible superground alumina as a reactive binding component for shaped and unshaped refractory products as well as for highperformance ceramics.

Durchschnittsanalyse / Typical analysis

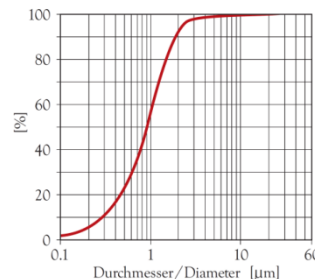
Al ₂ O ₃	[%]	≈ 99.8
Na ₂ O total	[%]	≤ 0.1
CaO	[%]	≈ 0.02
Fe ₂ O ₃	[%]	≈ 0.02
SiO ₂	[%]	≈ 0.08
MgO	[%]	≈ 0.06
α-Al ₂ O ₃	[%]	≥ 95
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	6 – 10
Schüttdichte / Bulk Density	[kg/m ³]	≈ 900
Wasseraufnahme / Water Adsorption	[ml/100 g]	≈ 20

Typische Verarbeitungseigenschaften / Typical Processing Features:

Gründichte / Green Density (100 MPa) [g/cm³] 2.15 – 2.38

Sinterdichte / Fired Density (1600°C, 2h) [g/cm³] 3.74 – 3.95

Korngrößenverteilung / Particle Size Distribution (Cilas 1064)



d₁₀ [μm] 0.1 – 0.4

d₅₀ [μm] 0.5 – 0.8

d₉₀ [μm] 1.5 – 3

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

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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