

**Einsatzbeispiele /
Applications**

Oxidkeramik mit hohem Al₂O₃-Gehalt, insbesondere zur Herstellung von verschleißfesten Teilen sowie von mechanisch, thermisch, chemisch und elektrisch belastbaren Formstücken sowie Herstellung von Feuerfestprodukten (geformt, ungeformt).

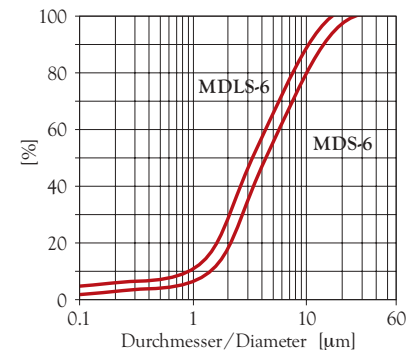
Oxide ceramics with high Al₂O₃-content, particularly suitable for production of wear-resistant components and products subjected to extremely high mechanical, thermal, chemical and electrical loads and for production of refractories (shaped and unshaped).

**Durchschnittsanalyse /
Typical analysis**

		MDS-6	MDLS-6
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		≤ 0.04	≤ 0.04
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]	0.5 - 1.2	0.5 - 1.2
Primärkorn / Primary Crystal	[µm]	≈ 4	≈ 4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 700	≈ 700

**Korngrößenverteilung / Particle Size Distribution
(Siebung / Screening)**

MDS-6	d ₁₀	0.8 - 2.8 [µm]
	d ₅₀	4 - 6 [µm]
	d ₉₀	9 - 15 [µm]
	> 45 µm	≤ 2 [%]
MDLS-6	d ₁₀	0.5 - 2.5 [µm]
	d ₅₀	3.5 - 4.5 [µm]
	d ₉₀	8 - 14 [µm]
	> 45 µm	≤ 1 [%]



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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