

**Einsatzbeispiele /  
Applications**

Fertigverpreßbare Massen zur uniaxialen und isostatischen Verarbeitung; für die Herstellung von oxidkeramischen Erzeugnissen, wie z.B. Mahlmedien, Isolatoren und verschleißfeste Teile.

Feedstocks ready to press for uniaxial and isostatic pressing for the production of oxide ceramic bodies such as grinding media, insulating and wear-resistant parts, etc.

**Durchschnittswerte /  
Typical values**

		KMS-92	KMS-94	KMS-96
Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 92	≈ 94	≈ 96
CaO		≈ 2.5	≈ 0.3	≈ 1.3
SiO <sub>2</sub>		≈ 3.6	≈ 4	≈ 1.9
MgO		≈ 1.5	≈ 1	≈ 0.8
Glühverlust / Loss on Ignition	[%]	≈ 4.5	≈ 3.4	≈ 3.6
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 1300	≈ 1100	≈ 1200
Feuchte / Moisture	[%]	≤ 0.5	≤ 0.35	≤ 0.7
Granulatgrößenverteilung / Granulate Size Distribution (Siebung / Screening)				
	> 300 µm [%]	0 - 5	0 - 5	0 - 25
	> 200 µm [%]	0 - 15	0 - 35	10 - 50
	> 150 µm [%]	5 - 40	0 - 40	30 - 75
	< 63 µm [%]	< 25	< 40	0 - 15
Typische Verarbeitungseigenschaften / Typical Processing Features:				
Pressdichte / Green Density (100MPa) [g/cm <sup>3</sup> ]		≈ 2.4	≈ 2.4	≈ 2.4
Sinterdichte / Fired Density (1600°C, 2h) [g/cm <sup>3</sup> ]		≈ 3.7	≈ 3.7	≈ 3.8



## 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

Preparations on basis of aluminium oxide.  
Partly with approx. 3 % of organic additives (polyvinyl ester, polyvinyl alcohol, polyethylene glycol, polycarboxylic acid). Partly with up to 6 % of magnesium silicates and up to 5 % of alkaline-earth carbonates.

Chem. Bezeichnung: Aluminiumoxid  
Formel:  $Al_2O_3$   
CAS No. : 1344-28-1  
EG-/EINECS No.: 215-691-6  
UN-Nr.: --



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