

**Einsatzbeispiele /  
Applications**

Keramische Masse für den Einsatz im Extrusions- oder Spritzgußverfahren für die Produktion von Zündelektroden, techn. Keramik und Elektrokeramik.

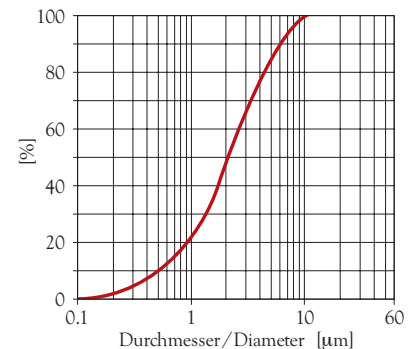
Ceramic feedstock used in extrusion and injection moulding processes for the production of ignition electrodes, technical and electrical ceramic parts.

**Durchschnittswerte /  
Typical values**

Al <sub>2</sub> O <sub>3</sub>	[%]	≈ 96
Na <sub>2</sub> O total		≈ 0.1
MgO		≈ 0.9
CaO		≈ 1.3
Fe <sub>2</sub> O <sub>3</sub>		≈ 0.03
SiO <sub>2</sub>		≈ 1.8
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Feuchte / Moisture	[%]	≤ 0.1
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Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 1200
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Mittlerer Granulatdurchmesser / Average Granule Size	[µm]	≈ 30
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Typische Verarbeitungseigenschaften / Typical Processing Features:		
Pressdichte / Green Density	(100 MPa) [g/cm <sup>3</sup> ]	≈ 2.4
Sinterdichte / Fired Density	(1600°C, 2h) [g/cm <sup>3</sup> ]	≈ 3.8

**Korngrößenverteilung /  
Particle Size Distribution (Cilas 1064)**

d <sub>10</sub>	0.3–0.7 [µm]
d <sub>50</sub>	1.8–2.2 [µm]
d <sub>90</sub>	5.5–7.5 [µm]



## 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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