



# MARTINAL® OL-111 LE

## Aluminum Hydroxide

### Einsatzbeispiele / Applications

Die Produktreihe MARTINAL „OL/LE“ umfasst feinteilig gefällte Aluminiumhydroxide mit besonders niedrigem Gehalt an löslichen Elektrolyten. Sie eignen sich u.a. speziell für hohe Qualitätsanforderungen im Elektro- und Elektronikbereich.

MARTINAL grades „OL/LE“ are fine precipitated aluminum hydroxides with a very low content of soluble electrolytes for demanding requirements (i.e. in the electrical and electronic industries).

### Durchschnittsanalyse / Typical analysis

Al(OH) <sub>3</sub> -Gehalt /-content	[%]	≈ 99.4
Feuchte / Moisture (105 °C)	[%]	≤ 0.7
Glühverlust / Loss on Ignition (1200 °C)	[%]	≈ 34.5
Na <sub>2</sub> O löslich / soluble	[%]	≤ 0.1
Teilchenform / Particle shape	plättchenförmig / platelet, pseudo-hexagonal	
Brechungsindex / Refractive index	[%]	1.58
Elektrische Leitfähigkeit / Electrical conductivity (10 % in H <sub>2</sub> O)	[μS/cm]	≤ 200
Weißgrad / Whiteness (Elrepho 457 nm)	[%]	≥ 95.5
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	10 – 12
Ölaufnahme / Oil absorption	[cm <sup>3</sup> /100g]	50 – 65
Dichte / Density	[g/cm <sup>3</sup> ]	2.4
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 200

## Durchschnittsanalyse / Typical analysis

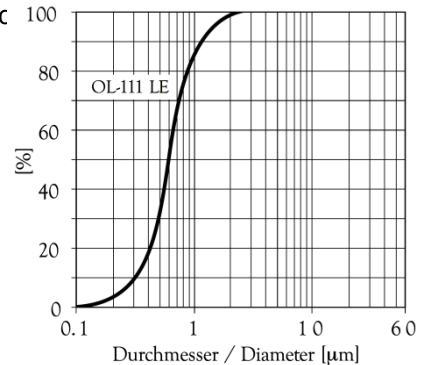
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser scattering, Cilas)

$d_{10}$  [ $\mu\text{m}$ ] 0.3 – 0.6

$d_{50}$  [ $\mu\text{m}$ ] 0.9 – 1.4

$d_{90}$  [ $\mu\text{m}$ ] 1.2 – 3.0

Typische Korngrößenverteilung / Typical Partic



## 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: Aluminum Hydroxide

Formel / formula:  $\text{Al}(\text{OH})_3$

CAS No.: 21645-51-2

EC/EINECS No.: 244-492-7

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