

**Einsatzbeispiele /  
Applications**

MARTINAL TS-702 ist ein thermisch stabiles Aluminium Hydroxid für den Einsatz als Flammenschutzmittel für halogenfreie Leiterplatten auf Basis von Epoxid-Laminaten.

MARTINAL TS-702 is a thermally stable aluminium hydroxide as fire retardant additive for halogen-free epoxy-based laminates for printed circuit boards.

**Durchschnittsanalyse /  
Typical analysis**

Al(OH) <sub>3</sub> -Gehalt /-content	[%]	≥ 99.6
Feuchte / Moisture (105 °C)		≤ 0.35
Glühverlust / Loss on Ignition (1200 °C)	[%]	34.5
Na <sub>2</sub> O total	[%]	≤ 0.16
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser diffraction, Cilas)		
	d <sub>10</sub> [µm]	0.6 – 1.0
	d <sub>50</sub> [µm]	1.4 – 2.6
	d <sub>90</sub> [µm]	2.7 – 5.0
Spezifische Oberfläche / Specific Surface Area (BET)	[m <sup>2</sup> /g]	2.3 – 4.3
Ölaufnahme / Oil absorption	[ml/100g]	30 – 40
Elektrische Leitfähigkeit / Electrical conductivity (10 % in H <sub>2</sub> O)	[µS/cm]	≤ 100
Weißgrad / Whiteness	[%]	≥ 94.0
Schüttdichte / Bulk Density	[kg/m <sup>3</sup> ]	≈ 300

## Shipping Information

Transportation classification: not regulated for transportation  
Harmonized tariff number: 28163000

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: Aluminium hydroxide  
Formel / formula:  $Al(OH)_3$   
CAS No.: 21645-51-2  
EG-/EINECS No.: 244-492-7



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(05/07)

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