



MARTINAL® OL-104 ZO / OL-107 ZO

Aluminum Hydroxide

Einsatzbeispiele / Applications

Mit einem Vinylsilan beschichtetes, feinteilig gefälltes Aluminiumhydroxid zur Verbesserung der mechanischen, rheologischen und elektrischen Eigenschaften für vernetzbare Polyolefine und Kautschukmischungen.

Vinyl silane treated, finely precipitated aluminum hydroxide to improve mechanical, rheological and electrical properties in curable polyolefinic and rubber compounds.

Durchschnittsanalyse / Typical analysis

		OL-104 ZO	OL-107 ZO
Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.0	≈ 99.0
Feuchte / Moisture (105 °C)	[%]	≤ 0.35	≤ 0.4
Glühverlust / Loss on Ignition (1200 °C)	[%]	≈ 35	≈ 35
Na ₂ O löslich / soluble	[%]	≤ 0.08	≤ 0.08
Brechungsindex / Refractive index	[%]	1.58	1.58
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser scattering, Cilas)			
	d50 [µm]	1.7 – 2.1	1.6 – 1.9
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	3 – 5	6 – 8
Dichte / Density	[g/cm ³]	2.4	2.4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 500	≈ 450
Wärmebeständigkeit / Thermal Stability (Temp. at 2% weight loss, 1 K/min)	[°C]	≈ 225	≈ 220

Anmerkung: Spezifische Oberfläche und Teilchengröße wurden am unbeschichteten Material gemessen.
Remark: Specific surface area and particle size relate to measurements of the uncoated material.

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: Al(OH)_3
CAS No.: 21645-51-2
EC/EINECS No.: 244-492-7

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