



MARTINAL® OL-104 IO / OL-107 IO

Aluminum Hydroxide

Einsatzbeispiele / Applications

Mit einem Aminosilan beschichtetes, feinteilig gefälltes Aluminiumhydroxid zur Verbesserung der mechanischen, rheologischen und elektrischen Eigenschaften, z.B. in thermoplastischen Kunststoffen wie EVA oder EEA.

Amino silane treated, finely precipitated aluminum hydroxide to improve mechanical, rheological and electrical properties e.g. in thermoplastic resins like EVA or EEA.

Durchschnittsanalyse / Typical analysis

		OL-104 IO	OL-107 IO
Besonderheiten / Speciality	oberflächenmodifiziert / surface treated		
Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.0	≈ 99.0
Feuchte / Moisture (105 °C)	[%]	≤ 0.35	≤ 0.4
Glühverlust / Loss on Ignition (1200 °C)	[%]	≈ 35.0	≈ 35.0
Na ₂ O löslich / soluble	[%]	≤ 0.08	≤ 0.08
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser scattering, Cilas)			
	d50 [µm]	1.7 – 2.1	1.6 – 1.9
Brechungsindex / Refractive index	[%]	1.58	1.58
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	≈ 400
Wärmebeständigkeit / Thermal Stability (Temp. at 2% weight loss, 1 K/min)	[°C]	≈ 225	≈ 220

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

EUROPE, MIDDLE EAST, AFRICA

Martinswerk GmbH
Kölner Straße 110
D-50127 Bergheim

Phone: +49-2271-902-0
Fax: +49-2271-902-710

AMERICAS

Huber Engineered Materials
3100 Cumberland Boulevard
Suite 600
Atlanta, Georgia 30339

Phone: +1 (678) 247-7300
Fax: +1 (678) 247-2797

ASIA PACIFIC

Huber Fire Retardant Additives
(Qingdao) Co.Ltd
8th Floor No.2 Building, No.7,
Wuyishan Road, Huangdao District,
Qingdao – China

Phone: +86 532-58792008
Fax: +86 532-58792008

Web: www.martinswerk.de
www.hubermaterials.com

Email: info@martinswerk.com
hubermaterials@huber.com



THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Refer to Martinswerk's Standard Conditions of Sale for the only express warranties applicable to the Martinswerk products. Products incorporating Martinswerk products are not warranted by Martinswerk. In no event is Martinswerk liable for consequential damages. **MARTINAL®** is used, applied for, or registered as a trademark of Martinswerk GmbH in various countries around the world.
© September 2022 Martinswerk GmbH