



MARTINAL® OL-104 LEO™ / OL-107 LEO™

Aluminum Hydroxide

Einsatzbeispiele / Applications

MARTINAL® OL-104 LEO™ und OL-107 LEO™ sind neue, feinteilig gefällte Aluminiumhydroxide mit verbessertem Compoundierverhalten, höherer Temperaturstabilität, verbessertem Fließverhalten und höherem Schüttgewicht nach Förderung sowie niedrigerer Compoundviskosität. Zielpolymere sind Polyolefine und deren Copolymere, PVC und Elastomere.

MARTINAL® OL-104 LEO™ and OL-107 LEO™ are new fine precipitated aluminum hydroxide grades with improved compounding performance, higher thermal stability, better powder flowability and higher bulk density after conveying, as well as lower compound viscosity. Target polymers are polyolefins and their copolymers, PVC and Rubber.

Durchschnittsanalyse / Typical analysis

		OL-104 LEO	OL-107 LEO
Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.4	≈ 99.4
Feuchte / Moisture (105 °C)	[%]	≤ 0.35	≤ 0.4
Glühverlust / Loss on Ignition (1200 °C)	[%]	≈ 34.5	≈ 34.5
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
Ölaufnahme / Oil absorption	[ml/100g]	27 – 32	28 – 33
Elektrische Leitfähigkeit / Electrical conductivity (10 % in H ₂ O)	[µS/cm]	≤ 60	≤ 70
Weißgrad / Whiteness (Elrepho 457 nm)	[%]	≥ 94.0	≥ 94.0
Dichte / Density	[g/cm ³]	2.4	2.4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 400	≈ 350
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: $\text{Al}(\text{OH})_3$
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