



MARTINAL® OL-104 LEO™ / OL-107 LEO™

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

Die oben genannten Werte sind nur als Richtwerte zu verstehen und nicht etwa als zugesicherte Eigenschaften.
The above mentioned values should be taken only as indications and not as guaranteed properties.

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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