



MARTINAL® OL-107 C / OL-104 C

Aluminum Hydroxide

Einsatzbeispiele / Applications

Oberflächenbehandelte, feinteilig gefällte MARTINAL-Typen bieten Vorteile bei der Einarbeitung in Kunstharze und verbessern die mechanischen Eigenschaften vernetzter Elastomere.

Surface treated, fine precipitated MARTINAL grades give special benefits when incorporated into resins and improve the mechanical properties of cross-linked elastomers.

Durchschnittsanalyse / Typical analysis

		OL-107 C	OL-104 C
Besonderheiten / Speciality	oberflächenmodifiziert / surface treated		
Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.5	≈ 99.0
Feuchte / Moisture (105 °C)	[%]	≤ 0.3	≤ 0.25
Glühverlust / Loss on Ignition (1200 °C)	[%]	35 – 36.5	35 – 36
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser scattering, Cilas)			
	d ₁₀ [µm]	0.4 – 0.8	0.3 – 0.9
	d ₅₀ [µm]	1.1 – 1.7	1.3 – 2.2
	d ₉₀ [µm]	1.5 – 3.5	2.3 – 4.2
Teilchenform / Particle shape	plättchenförmig / platelet, pseudo-hexagonal		
Verhalten in Wasser / Reaction in water	nicht benetzbar / no wetting of particles		
Brechungsindex / Refractive index	[%]	1.58	1.58
Weißgrad / Whiteness(Elrepho 457 nm)	[%]	≥ 95	≥ 94
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	6 – 8	3 – 5
Ölaufnahme / Oil absorption	[cm ³ /100g]	30 – 40	25 – 35
Dichte / Density	[g/cm ³]	2.4	2.4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 500	≈ 450

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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