



MARTINAL® ON-921 / ON-935

Aluminum Hydroxide

Einsatzbeispiele / Applications

Aluminiumhydroxid mit niedrigem Viskositätsanstieg als flammhemmender Füllstoff in Kunstharzen.

Aluminum hydroxide with low viscosity behaviour as flame retardant filler in synthetic resin.

Durchschnittsanalyse / Typical analysis

		ON-921	ON-935
Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.6	≈ 99.6
Feuchte / Moisture (105 °C)	[%]	≤ 0.25	≤ 0.25
Glühverlust / Loss on Ignition (1200 °C)	[%]	≈ 34.5	≈ 34.5
Na ₂ O löslich / soluble	[%]	≤ 0.6	≤ 0.3
Siebrückstand > 45 µm (naß) / Sieve Residue > 45 µm (wet)	[%]	≤ 40.0	≤ 65.0
Mittlere Korngröße / Median Particle Size	[µm]	-	-
Top-Cut	[µm]	≤ 200	≤ 200
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	≈ 1.5	≈ 1.0
Ölaufnahme / Oil absorption	[ml/100g]	≈ 17	≈ 16
Elektrische Leitfähigkeit / Electrical conductivity (10 % in H ₂ O)	[µS/cm]	≤ 90	≤ 89
Weißgrad / Whiteness (Elrepho 457 nm)	[%]	≥ 93	≥ 93
Dichte / Density	[g/cm ³]	2.4	2.4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 650	≈ 800
Stampfdichte / Bulk Density tamped	[kg/m ³]	≈ 1100	≈ 1350

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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