



MARTINAL® ON-320

Aluminum Hydroxide

Einsatzbeispiele / Applications

Die verschiedenen Typen der Produktserie MARTINAL „ON“ (mittlere Korngröße) werden insbesondere als Flammschutzmittel und Füllstoff in Duroplasten und wässrigen Dispersionen eingesetzt.

The MARTINAL grades „ON“ (medium particle size) are mainly used as flame retardants and fillers in thermosetting plastics and liquid dispersions.

Durchschnittsanalyse / Typical analysis

Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.6
Feuchte / Moisture (105 °C)	[%]	≤ 0.2
Glühverlust / Loss on Ignition (1200 °C)	[%]	≈ 34.5
Na ₂ O löslich / soluble	[%]	≤ 0.03
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser scattering, Cilas)		
	d ₁₀ [µm]	3.0 – 6.0
	d ₅₀ [µm]	15 – 25
	d ₉₀ [µm]	30 – 60
Brechungsindex / Refractive index	[%]	1.58
Elektrische Leitfähigkeit / Electrical conductivity (10 % in H ₂ O)	[µS/cm]	≤ 120
Weißgrad / Whiteness (Elrepho 457 nm)	[%]	≥ 89
Ölaufnahme / Oil absorption	[cm ³ /100g]	20 – 30
Dichte / Density	[g/cm ³]	2.4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 950

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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