

Einsatzbeispiele / Applications

Flammhemmender Füllstoff, Streichpigment und TiO₂-Extender für die Papier- und Kartonindustrie. Durch Lieferung in weißen Papiersäcken mit wasserlöslicher Klebung und wasserlöslichem Aufdruck ist die direkte Eingabe mit Verpackung in den Pulper möglich.

Flame retardant filler, coating pigment and TiO₂-extender for the paper and board industry. It is supplied in white paper bags with water soluble adhesives and water soluble markings. Therefore, it can be loaded directly into the pulper with the packaging.

Durchschnittsanalyse / Typical analysis

Al(OH) ₃ -Gehalt / -content	[%]	ca. 99.5
Feuchte / Humidity (105°)	[%]	≤ 0.5
Glühverlust / Loss on Ignition (1200°C)	[%]	34.5
Teilchengröße (Laser Beugung) / Particle Size (laser diffraction)		
	d ₅₀ [µm]	1.3 – 2.3
	d ₉₀ [µm]	≤ 4.5
Weißgrad / ISO-Brightness (Elrepho 457 nm)	[%]	≥ 95
Teilchenform / Particle shape	plättchenförmig, pseudo-hexagonal platelet, pseudo-hexagonal	
Löslichkeit in Wasser / Solubility in water (20°C, pH 7)	[g/l]	1.5 · 10 ⁻³
Brechungsindex / Refractive index		1.58
Spezifische Oberfläche (BET) / Specific surface (BET)	[m ² /g]	2.5 – 5.5
Dichte / Density	[g/cm ³]	2.4
Schüttdichte / Bulk density	[kg/m ³]	ca. 350
Härte (nach Mohs) / Hardness (acc. Mohs)		2 – 3



Shipping Information

Transportation classification: not regulated for transportation
Harmonized tariff number: 28183000

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

Chemical name: Aluminium hydroxide
Formula: Al(OH)_3
CAS No. : 21645-51-2
EG-/EINECS No.: 244-492-7
ENCS: 1-17
ECL: KE-00980



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