

FICHA TECNICA **ALUMINA TRIHIDRATADA**

Description

MARTINAL OL/LE flame retardant grades are high-purity, fine-precipitated aluminum hydroxide with very low soluble electrolytes content that is suitable for demanding requirements such as electrical and electronic applications. MARTINAL flame retardant is a mineral-based product with low smoke characteristics and good thermal stability up to approximately 80 °C.

Typical Properties

OL-111/LE OL-107/LE OL-104/LE

Al(OH) ₃ , %, approx.	99.4	99.4	99.4
Moisture (105 °C)	≤ 0.7	≤ 0.4	≤ 0.35
Loss on ignition (1200 °C), approx.	34.5	34.5	34.5
Na ₂ O (soluble)	≤ 0.1	≤ 0.1	≤ 0.05
Particle shape	platelet, pseudo-hexagonal		
Solubility in water (20 °C, pH 7), g/l	1.5 x 10 ³	1.5 x 10 ³	1.5 x 10 ³
Refractive index, %	1.58	1.58	1.58
Electrical conductivity (10% in H ₂ O), μS/cm ..	≤ 200	≤ 150	≤ 60
Whiteness (Elrepho 457 nm), %	≥ 95.5	≥ 95.0	≥ 94.0
Specific surface area (BET), m ² /g	10 - 12	6 - 8	3 - 5
Oil absorption, cm ³ /100g	45 - 60	40 - 55	30 - 40
DOP absorption, cm ³ /100g	65 - 75	60 - 70	45 - 55
Density, g/cm ³	2.4	2.4	2.4
Sieve residue, > 45 μm, %	≤ 0.05	≤ 0.05	≤ 0.01
Particle size, kg/m ³ , (laser diffraction, Cilas)			
d10 μm	0.3 - 0.5	0.4 - 0.7	0.6 -
0.9			
d50 μm	0.7 - 1.2	0.9 - 1.5	1.3 -
2.2			
d90 μm	1.2 - 2.7	1.5 - 3.5	2.3 -
4.2			

Oficina

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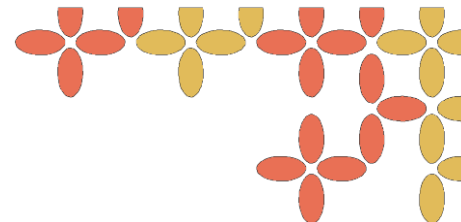
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almacen y planta

A.V uno norte No.15
Bodega 1C Parque industrial Cartagena
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Shipping Information Container Information

50 lb bag, 25 kg bag (55.1 lb), 1000 kg supersack

Shipping Classification

DOT Classification, Not Regulated for Transportation

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 CAS: 21645-51-2

TSCA: This material complies with the Toxic Substances Control Act
(15 USC 2601-2629)

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