

ALUPREM[®]

LV-150, LV-110, LV-75, LV-45, LV-25

Specialty Aluminum Hydroxide

Description

Specially designed, extremely low viscosity aluminum hydroxide for high ATH loading where optimum flame retardant and smoke suppressant properties are required.

	LV-150	LV-110	LV-75	LV-45	LV-25
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CHEMICAL ANALYSIS (Typical)

AL (OH) ₃ content, %	> 99.0	> 99.0	> 99.0	> 99.0	> 99.0
Na ₂ O Max, %	0.35	0.35	0.35	0.35	0.35
, %	0.20	0.20	0.20	0.20	0.20
SiO ₂ , %	0.02	0.02	0.02	0.02	0.02
Fe ₂ O ₃ , %	0.01	0.01	0.01	0.01	0.01
Moisture Content (105° C) Max, %	0.3	0.3	0.3	0.3	0.3
, %	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2
Loss on Ignition (LOI) (1200°), %	34.5	34.5	34.5	34.5	34.5

PHYSICAL ANALYSIS (Typical)

Sieve Residue > 45µm (+325 mesh), %	60 – 70	25 – 35	0 – 1	0 – 1	0 – 0.05
Specific Density, (g/cm ³)	2.4	2.4	2.4	2.4	2.4
Bulk Density, (kg/m ³)	1050	1050	1000	950	900
Particle Size (laser, Sympatec) - d ₁₀ , (µm)	1	1	1	1	1
Particle Size (laser, Sympatec) – d ₅₀ , (µm)	3 – 4	3 – 4	5 – 6	3 – 4	2 - 3
Particle Size (laser, Sympatec) – d ₉₀ , (µm)	115	40 – 50	16 – 20	12 - 16	10 - 12
Oil Absorption, mL/100g	14 – 17	15 – 17	16 – 19	20 - 22	20 - 22

The information herein is believed to be correct and reliable; however, no warranty is given concerning the accuracy of these data, merchantability or fitness for a particular use.