

OPTILOAD[®] LV-45

Alumina Trihydrate

Technical Data Sheet

Low viscosity alumina trihydrate flame retardant/smoke suppressant additive designed for optimum performance in synthetic resin composite applications.

LV-45

CHEMICAL ANALYSIS (TYPICAL)

Al(OH) ₃ content, %	> 99.0
Na ₂ O (soluble), %	0.01
SiO ₂ , %	0.008
Fe ₂ O ₃ , %	0.01
Moisture Content (105° C), %	< 0.25
Loss on Ignition (LOI @ 1200° C), %	34.5

PHYSICAL ANALYSIS (TYPICAL)

Sieve Residue >45 μm (+325 mesh), %	≤ 0.2
Particle Size (laser, Sympatec) - d ₅₀ , (μm)	4
Top Cut, (μm)	45
Bulk Density, Pour (g/cm ³)	0.54
Bulk Density, Tap (g/cm ³)	1.11
Brightness, L *	96
Specific Gravity, g/cm ³	2.42
Oil Absorption, mL/100g	18