

ALFRIMAL 445 LV

Product Properties:

ALFRIMAL 445 LV is a new product based on aluminium hydroxide, which is especially suitable as flame retarding filler for plastics and rubber articles. The particle size distribution of this product is optimized for applications in all kind of resins, leading to a lowered viscosity.

LOW VISCOSITY AND HIGH FILLING RATE

Key Benefits at a glance:

Finely particle-sized ATH

Acts as flame retardant (HFFR)

Low viscosity behavior ("LV")

High filling of resins

Improved processability of filled materials

Reduced shear

Independent on pH



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The data indicated on our data sheets and printed matters represent average values and are not legally binding.

Alpha Calcit Application Leaflet



ALFRIMAL 445 LV

Introduction:

Compared to conventional HFFR based on aluminium hydroxide, **ALFRIMAL 445 LV** leads to lower viscosity, which enables higher dosage. **ALFRIMAL 445 LV** generates no toxic or corrosive gases in case of fire.

Chemical and Physical Data:

Composition:	Finely particle-sized aluminium hydroxide
Activity:	100% active by weight
Color:	White
Form:	Powder
Average particle size:	11 μm
Sieve Residue > 63 μm :	< 1 %
Specific surface BET:	1,5 m^2/g
Bulk Density:	800 kg/m^3

Application examples:

Building panels:

Higher filling grades of polymers
Reduced smoke development

Plastic structural elements:

High quality compounds
Special FR for different applications

Hard components:

Standard FR in white products
Standard FR in colored products



Picture: ambitious-creative-co-nick-barrett-HnUH0BuJ7s4-unsplash

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