

ALFRIMAL® 445 LV

Product Properties

ALFRIMAL 445 LV is a new product based on aluminium hydroxide, which is especially suitable as flame retardant 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

- Fine 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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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 aluminum 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

