

ALFRIMAL[®] XS FOR SOLID SURFACES

Product Properties

ALFRIMAL is the flame retardant of choice for solid surface materials. Based on high white aluminium hydroxide (ATH) free of black spots, it shows the best physical properties, has excellent chemical resistance and makes media-resistant solid surfaces stain-resistant.

SOLIDITY AND SEVERITY WITH HFFR

Key Benefits at a glance

- Aluminium hydroxide
- Halogen-free flame retardant (HFFR)
- Free of “Black-Spots”
- Suitable for acid resistant systems
- Rheology behavior like standard filler
- Low decomposition temperature
- Narrow decomposition temperature gap
- Excellent impact strength
- Independent on pH



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ALFRIMAL® XS FOR SOLID SURFACES

Introduction

ALFRIMAL XS types are "hard" enough to ensure excellent impact strength, but at the same time "soft" enough to allow wear-free, fast processing and do not adversely affect the life of machine parts. Advantageous by sensible application is this product free from dark particles ("Black Spots").

Chemical and Physical Data

Composition: Aluminium hydroxide
 Activity: 100% active by weight
 Color: White
 Form: Powder

Product	D50 [µm]	Sieve residue [%]	Whiteness Ry	Spec. surface BET [m ² /g]	Moisture [%]	Bulk density (untamped) [g/ml]
ALFRIMAL 547 XS	15	125 µm < 0.05	97	1.3	< 0.2	0.9
ALFRIMAL 549 XS	25	160 µm < 0.05	97	1.1	< 0.2	0.8

Application examples

Solid surface:

- High-white HFFR

Wall cladding:

- HFFR in white products
- HFFR in colored products

