

## Magnesium Hydroxide AKnoka® F7

### I. Product Introduction

AKnoka® F7 is a high-purity magnesium hydroxide powder synthesized through a unique process, exhibiting a regular hexagonal flake crystal morphology.

#### General characteristic

Surface	White powder
Molecular Formula	Mg(OH) <sub>2</sub>
Cas number	1309-42-8
Formula weight	58.32

#### Key indicators

	Project Unit Value	Project Unit Value	Project Unit Value
Mg (OH) <sub>2</sub>		%	≥99.5
CaO		%	≤0.20
Fe <sup>3+</sup>		%	≤0.005
Cl <sup>-</sup>		%	≤0.03
H <sub>2</sub> O		%	≤0.3
BET		m <sup>2</sup> /g	6~8
Loss on ignition		%	≥30.0
Whiteness		%	≥99
Granularity (D50)		μm	≤1.2

### II. Product Features

It exhibits high purity, high content, excellent whiteness, regular crystal morphology, small particle size, uniform particle size distribution, good dispersibility, and low impurity content. The material demonstrates thermal stability up to 340°C while simultaneously possessing flame-retardant, smoke-suppressing, and filler triple functionalities.

### III. Application Fields

PVC cables, low-smoke halogen-free cables, cross-linked polyethylene, thermoplastic elastomers, ethylene-propylene rubber; fireproof coatings, building insulation coatings, PVC/PP architectural profiles, TPO waterproof membranes, and related fields.

### IV. Storage and Packaging

Packaging: Net weight per bag is 20 kg. Packaging can be customized according to user requirements.

Storage: Store in a cool, dry place.

## **V. Safety and Environmental Protection**

The Material Safety Data Sheet (MSDS) for this product may be obtained from our company upon request. The MSDS provides information on material handling, safety precautions, disposal requirements, and applicable local health and safety regulations. This product complies with EU RoHS/REACH regulations. According to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), this product is not classified as hazardous.

## **6. Remarks:**

The information and data provided in this document are for reference purposes only, based on our current technical expertise and experience. Customers must conduct tests on purchased products to verify their suitability for specific processes or applications, ensuring compliance with intended objectives. We cannot control further product applications or manufacturing processes. Our liability is limited to the delivered products you use and does not cover any indirect losses arising from their application. Our technical support and customer service teams are available to provide product consultation and application assistance. Please feel free to contact us via email or phone.