



MAGNESIUM HYDROXIDE **NikoMag® M5SD**

**APPLICATION:**

A highly efficient non-toxic inorganic flame retardant. Perfect choice for production of PE, EVA, XLPE based compounds.

**THE BASIC QUALITY PARAMETERS:**

Parameter	Grade
	<b>NikoMag® M5SD</b>
1 Appearance	White powder
2 Mass fraction of magnesium hydroxide, %, minimum	99,8*
3 Mass fraction of volatile substance at 105 °C, %, maximum	0,3
4 Mass fraction of iron (Fe), ppm, maximum	50
5 Mass fraction of calcium (Ca), ppm, maximum	100
6 Mass fraction of chlorides (Cl-), ppm, maximum	200
7 Mass fraction of (S), ppm, maximum	200
8 Mass fraction of sodium (Na), ppm, maximum	200
9 Bulk density, g/cm <sup>3</sup> , minimum	0,3
10 Specific surface area, m <sup>2</sup> /g	4,0 - 6,0
11 Filter screening test (no 0045), %, maximum	0,1
12 Particle size distribution, µm:	
diameter of 10 % of particles (d10) maximum	1,1
diameter of 50 % of particles (d50) maximum	2,0
diameter of 90 % of particles (d90) maximum	4,2
13 Surface treatment	Silane Coated

\*The norm is given as uncoated product

The material is produced as a tailor-made system. There is a strong producer/customer cooperation

**CERTIFICATION:**

ISO 9001; ISO 22000:2005; HACCP Codex Alimentarius; HALAL; KOSHER; REACH 01-2119488756-18-0034

**CONTACT DETAILS:**

Wijnhaven 3D, 3011 WG Rotterdam, The Netherlands, tel: +31102687013, e-mail: office@nikomag-europe.com