



**MAGNESIUM HYDROXIDE NIKOMAG™ M5S**  
**HEXAGONAL SILANE COATED**

**APPLICATION:**

a highly efficient non-toxic inorganic flame retardant, filler and smoke suppressing additive for the manufacture of almost all types of plastics and filled (co)polymer compositions on the basis of PA, PP, PE, EVA, etc.

**THE BASIC QUALITY PARAMETERS:**

INDEX	DATA
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 chlorine (Cl <sup>-</sup> ), 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	4-6
11 Whiteness,% , min.	96.0
12 Filter screening test (no 0045), %, maximum	0,1
13 Particle size distribution, µm:	
diameter of 10 % of particles (d10) maximum	0.7
diameter of 50 % of particles (d50) maximum	1.8
diameter of 90 % of particles (d90) maximum	3.0
14 Surface treatment	silane coated
15 Crystal shape	hexagonal

\*The norm is given as uncoated product.

Individual customer-related approach is the basis of production process. The product is optionally surface-treated with any type of coating material (stearic acid, amino- and vinyl- silanes). Particles' size distribution and specific surface area are adjusted accordingly

**CERTIFICATION:**

ISO 9001; ISO 22000:2005; HACCP Codex Alimentarius; HALAL; KOSHER

**CONTACT DETAILS:**

Shanghai Waigaoqiao Economical Free Trade Zone No.2, Huajing Road, 406-408, tel: +86-186-1654-2528  
e-mail: arefyeva@kaustik.ru