

# MAGNAPUR® MGP-N4

## NATURAL MAGNESIUM HYDROXIDE

### Typical Physical Properties

Loss of Ignition	31%
Specific Gravity	2.36
Refractive Index	1.58
Mohs Hardness	2.5
Decomposition Temp.	330°C

Magnapur MGP-N4 is a magnesium hydroxide that acts as a flame retardant. Produced from selectively mined natural magnesium hydroxide (ground brucite), by milling and classifying.

Used as flame retardant filler for polymeric materials for achieving of high oxygen index (LOI), and for ensuring of the absorption of smoke and toxic gases.

### Typical Chemical Properties

Mg(OH) <sub>2</sub>	92.8% min
CaO	2.3% max
SiO <sub>2</sub>	1.3% max
Fe <sub>2</sub> O <sub>3</sub>	0.13% max

### Typical Specifications

Median Particle Size (microns-Sedigraph)	5-6 µm
Free Moisture	0.5% max
Surface Area (BET)	~7 m <sup>2</sup> /g

**STORAGE:** Store in a dry place and keep containers tightly closed. Shelf life is 4 months from date of delivery to the customer's warehouse. After bag is opened material should be used immediately or packed hermetically.

**HEALTH AND SAFETY:** Refer to the Safety Data Sheet

**PACKAGING:** Standard packaging is 20kg (44lbs) PE-lined paper bags, 1 metric ton (2204lbs) Super sacks available.