



Plastic & polymer additives and solution supplier
E:info@novistagroup.com I : www.novistagroup.com

Technical Data Sheet

ProFlame MDH-33/33S

Product Name: Magnesium Hydroxide

Molecular Weight: 58.3

CAS No. : 1309-42-8

EINECS No.: 215-170-3

MDH-33 is fine Magnesium hydroxide with a high chemical purity. MDH-33S grade is surface treated by non-polar polymer of Silane, the compatibility and combination with plastic material will be improved so that it is easy to evenly distribute into material, then the performance of fire retardant and mechanical properties is better than normal grade.

Technical Specification

Physical and Chemical Properties			
		MDH-33	MDH-33S
Chemical constituent	Mg(OH) ₂ %	≥90.0	≥90.0
	CaO %	≤1.0	≤1.0
	Fe ₂ O ₃ %	≤0.20	≤0.20
	Moisture %	≤0.50	≤0.50
	Active ratio %	-	≥99.0
Whiteness		≥90.0	≥90.0
Particle size ,D ₅₀ μm		3.2-3.5	3.2-3.5
Loss on ignition%		≥29	≥29
		Normal	Silane treatment

Main Application

- Flame retardant for plastics and rubber (PE, PP, ABS, HIPS, Nylon, PVC, etc)
- Electronic and electrical components, conveyer belt and construction materials
- Fillers
- Phenol resin, fiber reinforced rubber, fine ceramics
- Petroleum additive or other chemical

Package and Storage:

Net weight: 25kg/500kg/900kg/1000kg bag

Magnesium hydroxide is sensitive to atmospheric conditions as CO₂ and H₂O. Opened bags must be re-closed carefully. The product has to be stored at a cool and dry place.

+86-536-8206760 info@novistagroup.com www.novistagroup.com

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