

MagShield[®] UF NB-10CI

Coated Ultra Fine Grade Magnesium Hydroxide with Low Soluble Salts for Flame Retardant Applications



DESCRIPTION	MagShield [®] UF NB-10CI magnesium hydroxide is chemically precipitated from brine and dolomitic lime with a median particle size of 1.2 micron. MagShield [®] UF NB-10CI contains low soluble salts reducing the tendency for moisture pickup and improving electrical properties in wire and cable applications. This product has been treated with a 1% magnesium stearate coating to improve dispersion, handling and physical properties of the compounded plastic. MagShield [®] UF NB-10CI does not contain any free fatty acid.		
COMPOSITION (BEFORE COATING)		Typical	Specification
	Magnesium Hydroxide (Mg(OH) ₂), %	98.8	>98.5 min
	Chloride, %	0.09	0.10 max
	Loss on Drying, %	0.5	0.75 max
	Loss on Ignition, %	30.9	30.0 min
PHYSICAL PROPERTIES (BEFORE COATING)			
	Median Particle Size, micron	1.2	
	Surface Area, m ² /g	15	
	Specific Gravity	2.36	
	Loose Bulk Density, g/ml	0.40	
	Mohs Hardness	2.5	
PACKAGING	25 kg (55.1 lb) multi-walled, polyethylene-lined bags.		
STORAGE	Store in a dry location.		
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