PN-MH Series High Purity Caustic Calcined Magnesia

The manufacturing process of PN-LBM series High Purity Caustic Calcined Magnesia involves mining, beneficiation, crushing, calcining, cooling and crushing on High Purity Microcrystalline Magnesite.

At present, PRCO has an annual production capacity of 300,000 tons of High Purity Caustic Calcined Magnesia by rotary kiln. The whole production line is computerized and controlled automatically.

It's characterized by high purity, low SiO_2, low Fe_2O_3, and no harmful impurity elements such as B_2O_3 and chlorine. It has superior quality advantages versus Seawater Caustic Calcined Magnesia and Brine Caustic Calcined Magnesia.

PN-LBM is ideal high-quality raw materials for refractory materials, building materials, feed, rubber, and other industries. It is used to produce Electrofused Large Crystal Magnesia, High Purity Dead Burned Magnesia, Sintered Spinel, refractory additives, rubber, and plastic additives.

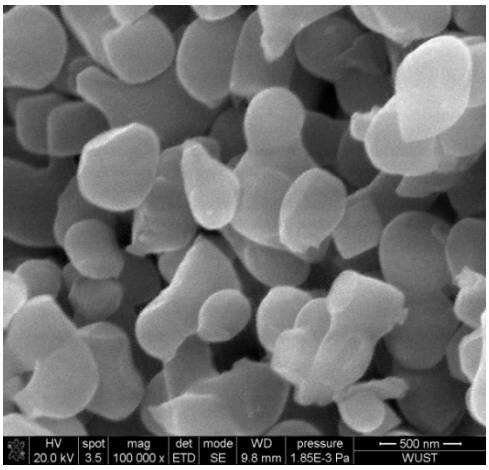
Date Sheet of High Purity Caustic Calcined Magnesia

Brand / Item	PN-MH001	PN-MH002	PN-MH003	PN-MH004	PN-MH005
MgO%	≥97	≥93.0	≥95	≥94.5	≥97
CaO%	≤1.2	≤1.5	≤1.2	≤1.5	≤2
SiO_2 %	≤0.5	≤0.4	≤0.2	≤0.3	≤0.1
Al_2O_3%	≤0.02	-	-	-	≤0.2
Fe_2O_3%	≤0.3	-	≤0.02	-	≤0.3
Mn%	-	-	≤0.02	-	-
Chloride (Cl) %	≤0.02	-	≤0.02	≤0.1	≤0.2
Sulfate (SO_4) %	-	-	≤0.2	-	≤0.2
Loss of Ignition%	-	≤5	≤3.5	≤3	≤3
Bulk Density, g/ml Bulk Density	1.0-1.4	-	≤0.5	-	≥0.4

MAGNESIUM OXIDE FOR REFRACTORIES

Particle Size	Customized	Customized	Customized	Customized	Screen Size, passing 325 mesh, 95% （wet）
Activity Index (25℃)	≥15min	≤80s	≤80s	≤80s	≤35s
Avg Particle Size	-	-	-	-	≤20μm
Surface Area	-	-	-	-	≥25 m^2/g

CCM Produced by Rotary Kiln



Microstructure of PRCO CCM

The crystal grain of High Purity Caustic Calcined Magnesia is basically uniform, rounded granular morphology. Most of the crystal grain sizes are 40 - 200 nm.

PRCO High Purity Caustic Calcined Magnesia

PRCO Warehouse of High Purity Caustic

PRCO AMERICA

production line: Rotary kiln	Calcined Magnesia