



## MagChem® P98 1M Periclase

DESCRIPTION	MagChem P98 1M is a high purity, dead burned magnesium oxide produced from magnesium-rich brine and dolomitic lime, and fired in a shaft kiln for use in specialty refractory applications.		
COMPOSITION		Typical	Specification
	Magnesium (MgO), %	98.0	97.4 min.
	Calcium (CaO), %	0.87	0.6 – 1.0
	Silicon (SiO <sub>2</sub> ), %	0.88	0.7 – 1.1
	Iron (Fe <sub>2</sub> O <sub>3</sub> ), %	0.14	0.25 max.
	Aluminum (Al <sub>2</sub> O <sub>3</sub> ), %	0.10	0.25 max.
	Boron, ppm	147	100 min.
	CaO:SiO <sub>2</sub> Ratio (wt.)	1.0	0.8 – 1.1
	Loss on Ignition, %		0.30 max.
PHYSICAL PROPERTIES		Typical	Specification
	Bulk Specific Gravity, g/cm <sup>3</sup> (Water Method, for typical mercury add 0.03)	3.34	3.30 min.
	Screen Size	Briquettes	
PACKAGING	Martin Marietta Magnesia Specialties offers these products in bulk shipments (railcar and truck) only.		

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