



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), %	97.9	97.4 min.
	Calcium (CaO), %	0.80	0.6 – 1.0
	Silicon (SiO ₂), %	0.90	0.7 – 1.1
	Iron (Fe ₂ O ₃), %	0.20	0.25 max.
	Aluminum (Al ₂ O ₃), %	0.10	0.25 max.
	Boron, ppm	160	100 min.
	CaO:SiO ₂ Ratio (wt.)	1.0	0.8 – 1.1
	Loss on Ignition, %		0.30 max.
PHYSICAL PROPERTIES		Typical	Specification
	Bulk Specific Gravity, g/cm ³ (Water Method, for typical mercury add 0.03)	3.35	3.30 min.
	Screen Size	Briquettes	
PACKAGING	Martin Marietta Magnesia Specialties offers these products in bulk shipments (railcar and truck) only.		

NOTICE: THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. ANY RECOMMENDATIONS OR SUGGESTIONS MADE ARE WITHOUT WARRANTY OR GUARANTEE OF RESULTS SINCE CONDITIONS OF HANDLING AND OF USE ARE BEYOND OUR CONTROL; WE THEREFORE, ASSUME NO LIABILITY FOR LOSS OR DAMAGE INCURRED BY FOLLOWING THESE SUGGESTIONS. SELLER WARRANTS ONLY THAT THIS PRODUCT WILL MEET THE SPECIFICATIONS SET FORTH. ANY OTHER REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, IS SPECIFICALLY DISCLAIMED INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY. SELLERS AND MANUFACTURERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVED TO BE DEFECTIVE. BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR USERS INTENDED APPLICATION AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE IN TORT, CONTRACT OR UNDER ANY THEORY FOR ANY LOSS OR DAMAGE, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT.

Martin Marietta Magnesia Specialties, LLC

8140 Corporate Drive, Suite 220
Baltimore, Maryland 21236 USA
Phone: (800) 648-7400 or (410) 780-5500
Fax: (410) 780-5777
Email: MagChem@martinmarietta.com
www.magnesiaspecialties.com

MagChem® is a trademark of
Martin Marietta Magnesia Specialties, LLC



QUALITY SYSTEM
ISO 9001 CERTIFIED