



TECHNICAL SPECIFICATION

asg chemie

MgO Dead Burned Magnesia (DBM96)

CAS Number: 1309-48-4

PRODUCT DESCRIPTION

DBM96 is a high-grade dead burned magnesia manufactured from selected cryptocrystalline magnesite. It is produced through multiple hearth furnace calcination, briquetting, and high-temperature shaft kiln sintering to achieve large periclase crystal size and high density. With consistent quality and low levels of impurities, DBM96 provides excellent performance in demanding refractory and industrial applications.

KEY FEATURES

- High MgO content (~96.6%) for superior refractoriness
- Low silica and controlled CaO:SiO₂ ratio for stability
- Large periclase crystal size (~130 μm) ensuring durability
- Excellent chemical resistance and thermal stability

APPLICATIONS

- Basic refractories for steelmaking (EAF, BOF, ladles)
- Slag conditioning and flux formulations
- Industrial furnace linings and gunning mixes
- High-temperature ceramic and specialty applications

TYPICAL SPECIFICATIONS

Parameter	Specification
MgO (%)	96.6
SiO ₂ (%)	0.65
Fe ₂ O ₃ (%)	0.55
CaO (%)	2.20
CaO:SiO ₂ Ratio	3.5
B ₂ O ₃ (%)	0.02
L.O.I. (%)	0.2
Bulk Density (g/cm ³)	3.45
Crystal Size (μm)	~130

TECHNICAL SERVICE CUSTOMER SUPPORT

toll free: +1 (352) 432-1481
e: support@asgchemie.com

PACKAGING

- 1,000 kg bulk bags
- 25 kg paper bags (palletized)
- Other packaging options available on request

STORAGE

- DBM96 should be stored in a cool, dry place under cover to prevent exposure to moisture. Ensure packaging remains sealed until use to maintain product integrity.

SAFETY & HANDLING

- Avoid generating dust during handling and processing. Use appropriate PPE including dust masks, gloves, and protective clothing. Handle in well-ventilated areas to minimize inhalation exposure. Refer to SDS for full safety information.

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LIMITED WARRANTY INFORMATION**PLEASE READ CAREFULLY.**

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For more information or answers to questions about the use in specific applications, contact your Technical Sales Representative or call 1-833.ASG.CHEM. (1.833.274.2436).

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