

**MAGNOCAST MD5**

Temperature Service:	1700 °C
Classification:	Chemically bonded Basic castable employing high purity burned magnesite
Main Raw Material Component:	Special Dead Burned Magnesia
Type Of Bond:	Chemical Bonded
Grain Size	0 – 5 mm
Water required For Pouring	7 – 8 %
Dry Castable Required	2670 Kg/m ³
Features and Main Applications:	High refractoriness ramming and casting mix manufactured from dead-burned magnesite, with special grain structure. Type of bond is chemically that alternate to ceramic. Recommended for universal application in the steel- and nonferrous metal industry.

Chemical Composition
(Calcined base)

MgO %	Fe ₂ O ₃ %	CaO %	SiO ₂ %	Al ₂ O ₃ %
89-91	< 0.8	1.5-2.5	5.0-7.0	< 0.8

Thermomechanical Properties

		After drying at 110 °C	After heating at 1500 °C
Bulk Density	(Kg/m ³)	> 2750	–
Cold Crushing Strength	(kg/cm ²)	350-500	300-500
Linear Change	(%)	Negligible	– 0.5

All data based on cast specimens. ASTM procedures, where applicable, used for determination of data.

For data of vibration cast or gunned, consult our sales & Engineering service's experts.

All data subject to reasonable deviations, and therefore, should not be used for specification purposes. ASTM Test Methods, where applicable, used for determination of data.

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