



MOLDIT® D CASTABLE TS LEJ10268 MX1N CASB

Monolithic Refractory
Product Information

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MOLDIT® D Castable is a general purpose super duty material designed as an economical refractory for furnaces and flue system applications in incinerators, HPI heaters, combustion chambers, power plant ash hoppers, mineral processing, reheat furnaces and molten metal units.

Service Temperature:	2500 °F	Material Required:	121 lb/ft ³
Typical Water Required:	13-15 %	Maximum Grain Size:	4 mesh US Sieve

Chemical Analysis

SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O + K ₂ O	Other
48.8	0.4	38.0	3.0	8.3	0.2	0.8	0.5

Typical Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to (°F)	Bulk Density (lb/ft ³)	Cold Crushing Strength (psi)	Cold Modulus of Rupture (psi)	Permanent Linear Change (%)
230	129	3880	1250	-
1000	125	2830	660	-0.1
1500	121	3000	850	-0.2
2000	122	1890	650	-0.3
2400	117	2650	970	+1.2
2500	114	5450	2070	+2.4

Other Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to (°F)	Apparent Porosity (%)	Thermal Conductivity (Btu.in/h.ft ² .F)	Hot Modulus of Rupture (psi)	Permanent Volume Change (%)
230	17.9	-	-	-
1000	20.9	6.3	-	-
1500	25.8	6.1	625	-
2000	27.3	6.5	507	-
2300	27.9	-	150	-
2500	26.8	-	40	-

Formerly: MOLDIT® D

Drying & Firing:	LEA.1801	Installation Method:	N/A	Mixing / Installation:	LEJ.1101
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	LEJ10268

The physical and/or chemical properties and specifications of the product set forth above represent typical average results obtained in accordance with generally accepted standard test methods conducted under controlled conditions, and are subject to normal manufacturing variations. Vesuvius reserves the right to modify the properties and specifications at any time without prior notice.

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