CERGUN 1800
TS LEL10132A MX1A GUN

Monolithic Refractory Product Information

VESUVIUS

Revision: B.00 Date: 16 Dec 2019

A high alumina, low iron gun mix with good resistance to abrasion and chemical attack.

Service Temperature:	1800 °C	**Material Required:**	2550 kg/m^3
Typical Water Required:	At nozzle %	**Maximum Grain Size:**	4 mm
Reversible Thermal Expansion, 20 to 1000°C:	0.85 %	**Abrasion Resistance C-704:**	< 12 CC
		Shelf Life:	12 months

Chemical Analysis

SiO_2	TiO_2	Al_2O_3	Fe_2O_3	CaO	Alkali
0.1	0.01	94.0	0.1	5.4	0.5

Typical Physical Properties Tested in accordance with Australian Standards

Prefired to (°C)	Bulk Density (kg/m^3)	Cold Crushing Strength (N/mm^2)	Cold Modulus of Rupture (N/mm^2)	Permanent Linear Change (%)
110	2650	65.0	11.0	-0.05
1100	2550	60.0	11.0	+0.10
1600	2600	65.0	15.0	-0.30

Other Physical Properties Tested in accordance with Australian Standards

Prefired to (°C)	Apparent Porosity (%)	Thermal Conductivity (W/m.K)	Hot Modulus of Rupture (N/mm^2)	Permanent Volume Change (%)
1100	27.0	1.58	-	-
1600	25.0	-	-	-

Formerly: PLIGUN 1800

Drying & Firing:	LEA.7802	Installation Method:	N/A	Mixing / Installation:	LEL.7301
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	5257-93

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.