

BLU-RAM[®] HS PLASTIC

Product Information Sheet

Monolithic Refractory

BLU-RAM[®] HS Plastic is a phos-bonded, mullite-based refractory with properties and performance characteristics comparable to 85% and 90% alumina-containing products. Bluram HS does not require forms during installation where anchors are present except for flat arch constructions.

Service Temperature: 3100 °F **Material Required:** 171 lb/ft³
Typical Water Required: - **Maximum Grain Size:** 3 mesh US Sieve

Chemical Analysis

SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	Na ₂ O + K ₂ O	P ₂ O ₅	Other
20.4	1.8	72.3	1.0	1.2	4.0	0.2

Typical Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
(°F)	(lb/ft ³)	(psi)	(psi)	(%)
230	153	2230	610	-0.7
1500	151	3720	1080	-0.7
2500	150	5830	1930	-0.4
2900	144	4070	2250	+1.0

Other Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
(°F)	(%)	(Btu.in/h.ft ² .F)	(psi)	(%)
230	18.3	10.4	-	-0.7
1500	18.8	9.2	-	-0.7
2500	19.5	9.1	-	-0.4
2900	22.0	9.6	-	-

Formerly: BLU-RAM[®] HS

Product Number: LES10072 MX1N MOLD

Revision : E:00

MSDS Reference : [LES10072](#)

Drying & Firing : LES.1801

Pumping : N/A

Mixing / Installation : LES.1301

Shotcreting : N/A

Effective Date: 09/09/2008

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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