

# BLURAM HS

## Product Information Sheet

## Monolithic Refractory

Bluram HS is a versatile, mullite based phosphate bonded mouldable. Finds many uses in various applications.

**Maximum Service Temp:** 1700°C  
**Maximum Grain Size:** 7 mm  
**Standard Packaging\*:** Carton - 25kg  
**Estimated Coverage\*\*** 2420 kg/m<sup>3</sup>  
**Initial Heat Up Schedule:** D  
**Water Addition:** N/A

**Reversible Thermal Expansion @ 1000°C:** 0.7%  
**Curing Time:** N/A  
**Storage Life:** Up to 6 Months  
**Setting:** Chemical / Heat  
**Abrasion Loss:** 4-7cc  
**ASTM C704**

### Chemical Analysis

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Alkalies	P2O5	Other
72	20	0.8	1.8	0.2	0.4	4.3	0.5

### Typical Physical Properties: on rammed samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m <sup>3</sup>	MPa	MPa	%
110	2470	16.00	5.00	-0.70
815	2420	26.00	7.50	-0.70
1400	2410	40.00	13.00	-0.40
1500	2400	37.00	-	+0.70

### Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
815	-	1.33	-	-
1400	-	1.31	-	-
1500	-	-	-	-

### Formerly:

**Product Number:** LES10072

**MSDS Reference:** Bluram HS msds

**Effective Date:** Oct 12

**Revision:** 0

\*Please enquire for other packaging options

\*\*Estimated coverage on gungrades does not include rebound

The physical and/or chemical properties and specifications of the product set forth above represent typical average results obtained in accordance with generally accepted Australian 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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