

PLIBRICO 85P

Product Information Sheet

Monolithic Refractory

A high alumina phosphate bonded mouldable exhibiting high strengths.

Maximum Service Temp: 1700°C
Maximum Grain Size: 7 mm
Standard Packaging*: Carton - 25kg
Estimated Coverage:** 2870 kg/m³
Initial Heat Up Schedule: D
Water Addition: N/A

Reversible Thermal Expansion @ 1000°C: 0.75%
Curing Time: N/A
Storage Life: 4 Months
Setting: Chemical
Abrasion Loss: 4-6cc
ASTM C704

Chemical Analysis

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies	Other	
84	8	1.3	2	0.1	0.2	4.4	

Typical Physical Properties: On rammed samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m ³	MPa	MPa	%
110	2650	25.00	9.50	-0.50
1100	2650	35.00	9.00	-0.80
1400	2650	40.00	10.00	-0.50

Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
1100	-	1.72	-	-
1400	-	-	-	-

Formerly:

Product Number: LES70312

MSDS Reference: PLIBRICO 85P msds

Effective Date: May -09

Revision: 1

*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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