

TUFLITE 1175

Product Information Sheet

Monolithic Refractory

A lightweight insulating gun mix exhibiting good strengths and low thermal conductivity.

Maximum Service Temp: 1175°C
Maximum Grain Size: 4 mm
Standard Packaging*: Sack - 12.5kg
Estimated Coverage:** 900 kg/m³
Initial Heat Up Schedule: B
Water Addition: At nozzle

Reversible Thermal Expansion @ 1000°C: na
Curing Time: 24 Hrs
Storage Life: 12 Months
Setting: Hydraulic
Abrasion Loss: NA
ASTM C704

Chemical Analysis

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies		
41	28	3.7	0.7	20	0.31		

Typical Physical Properties: On gunned samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m ³	MPa	MPa	%
110	950	5.00	1.75	-0.10
500	-	-	-	-
815	850	4.00	0.70	-0.60
1100	870	4.00	0.70	-0.90

Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
500	-	0.21	-	-
815	-	0.23	-	-
1100	-	0.26	-	-

Formerly: PLIGUN LW 1175, LEN70354

Product Number: LEN70354 **MSDS Reference:** TUFLITE 1175 msds

Effective Date: Dec-08 **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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Form No.: CP053

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