



**SELF FLOW CASTABLE FOR
HEARTH FURNACE ROLLER**

PRODUCT: FLOWMON 60 M
TYPE: 60% ALUMINA SELF FLOW CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: POURING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1600 °C
MAXIMUM GRAIN SIZE: 5 mm
WATER REQUIRED FOR CASTING: 5.8 – 6.8 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	58.00 – 62.00	60.4	BIS 12107 Part 3
CaO	4.10 – 4.80	4.50	ASTM C 573
Fe ₂ O ₃	0.80 – 1.20	1.05	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.32 – 2.46	2.38	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	750 – 950	830	BIS 10570
after heating at 800 °C / 3 hrs	700 – 975	822	BIS 10570
after heating at 1400 °C / 3 hrs	550 – 750	630	BIS 10570
% Retained on maximum size	0 – 5	1.0	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
PLC, % after heating at 800 °C / 3 hrs	(- 0.10) to (-0.40)	-0.15	BIS 10570
after heating at 1500 °C / 3 hrs	(- 0.35) to (-0.80)	-0.60	BIS 10570

Packaging: 25 kg bags

Delivery State: Dry

Storage Life: Best till 3 months from the date of production, if stored in proper condition.

Note:

- (1) The data are current production averages. They can not be used as limits for specification.
- (2) Extended Storage Life can be achieved when the product is supplied in 2 – pack.

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