



**CONVENTIONAL GUNNING
MATERIALS**

PRODUCT	: ACCGUN 45
TYPE	: 45% Al ₂ O ₃ GUNNING MASS
NATURE OF BOND	: HYDRAULIC
INSTALLATION	: GUNNING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1450 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR APPLICATION:	10.0 – 13.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	42 – 45	43.66	BIS 12107 Part 3
Fe ₂ O ₃	1.80 – 2.50	2.23	BIS 12107 Part 6
CaO	9.0 – 9.70	9.48	ASTM C 573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	1.90 – 2.20	2.12	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	150 – 250	200	BIS 10570
after heating at 800 °C / 3 hrs	130 – 180	150	BIS 10570
after heating at 1100 °C / 3 hrs	150 – 200	190	BIS 10570
% Retained on maximum size	0 – 5		BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 16 / + 1491	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	+0.30 to –0.80	-0.30	BIS 10570

Packaging: 50 kg bags

Delivery State: Dry

Storage Life: Best till 9 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.

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