

PRODUCT	: ACPLAST 55
PRODUCT CLASS	: REFRACTORY MONOLITHIC
TYPE	: 55% ALUMINA PLASTIC
NATURE OF BOND	: CHEMICAL/ CERAMIC
INSTALLATION	: PNEUMATIC RAMMING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1600 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER CONTENT :	10.0 – 12.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	50.0 – 53.0	51.47	BIS 12107 Part 3
Fe ₂ O ₃	0.80 – 1.30	0.82	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 260 °C / 3 hrs	2.10 – 2.25	2.18	BIS 10570
CCS, kg/cm ² after drying at 260 °C / 3 hrs	80 – 120	116	BIS 10570
after heating at 800 °C / 3 hrs	250 – 350	291	BIS 10570
after heating at 1550 °C / 3 hrs	350 – 550	520	BIS 10570

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 33 / + 1743	BIS 1528 Part 1
PLC, % after heating at 1550 °C / 3 hrs	+0.5 to -2.0	-1.49	BIS 10570

Delivery State: Moistened and Rammable

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.