

PRODUCT:	INSULYTE 4
PRODUCT CLASS:	REFRACTORY MONOLITHIC
TYPE:	LOW DENSITY INSULATING CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	TAMPING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1000 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	70 – 100 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	9 – 12	10.5	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	0.55 – 0.66	0.64	BIS 10570
CCS, kg / cm ² after drying at 110 °C / 24 hrs	4 – 6	5.2	BIS 10570
after heating at 800 °C / 3 hrs	2 – 4	3.8	BIS 10570
% Retained on maximum size	0 – 5	1	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
PLC, % after heating at 1000 °C / 3 hrs	(- 0.10) to (-0.60)	-0.40	BIS 10570
Thermal Conductivity at 500 °C HF, kcal / m / hr / °C	0.10 - 0.14	0.12	WATER CALORIMETRIC METHOD

Packaging: 25 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.