

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, %

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	12 Max.	10.5	BIS 12107 Part 6

PHYSICAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	0.66 Max.	0.64	BIS 10570
CCS, kg / cm ² after drying at 110 °C / 24 hrs	4 Min.	5.2	BIS 10570
after heating at 800 °C / 3 hrs	2 Min.	3.8	BIS 10570
% Retained on 6.3 mm sieve	5 Max.	1	BIS 1528 Part 14

THERMAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
PLC, % after heating at 1000 °C / 3 hrs	(-0.60) Max.	-0.40	BIS 10570
Thermal Conductivity at 500 °C HF, kcal / m / hr / °C	0.14 Max.	0.12	BIS17107

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.