

PRODUCT:	INSULYTE 9
PRODUCT CLASS:	REFRACTORY MONOLITHIC
TYPE:	MEDIUM DENSITY INSULATING CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	TAMPING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1200 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	40 – 50 %

CHEMICAL ANALYSIS, %

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	6.0 Max.	5.1	BIS 12107 Part 6

PHYSICAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	1.05 Max.	0.99	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	15 Min.	18	BIS 10570
after heating at 1200 °C / 3 hrs	10 Min.	14	BIS 10570
% Retained on 6.3 mm sieve	5 Max.	1.2	BIS 1528 Part 14

THERMAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		13 / 1349	BIS 1528 Part 1
PLC, % after heating at 1200 °C / 3 hrs	(-1.0) Max.	-0.50	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.30 Max.	0.275	BIS 17107

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.