



**LOW CEMENT CASTABLE**

**PRODUCT** : ACCMON 70  
**TYPE** : 70% ALUMINA LC CASTABLE  
**NATURE OF BOND** : HYDRAULIC  
**INSTALLATION** : VIBRATION CASTING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1600 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 4.5 – 5.5 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	68 – 71	70.41	BIS 12107 Part 3
Fe <sub>2</sub> O <sub>3</sub>	1.40 – 2.0	1.61	BIS 12107 Part 6
CaO	2.0 – 2.50	2.26	ASTM C 573

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.60 – 2.70	2.65	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	600 – 800	662	BIS 10570
after heating at 1100 °C / 3 hrs	700 – 900	867	BIS 10570
after heating at 1550 °C / 3 hrs	800 – 1100	900	BIS 10570
% Retained on maximum size	0 – 5		BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 36 / + 1804	BIS 1528 Part 1
PLC, % after heating at 1550 °C / 3 hrs	+1.8 to –1.0	+1.25	BIS 10570

**Packaging: 50 kg bags**

**Delivery State: Dry**

**Storage Life:** Best till 6 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.
- (2) Extended Storage Life can be achieved when the product is supplied in 2 – pack.

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