



**LOW CEMENT CASTABLE**

**PRODUCT** : ACCMON 80 LI  
**TYPE** : 80% ALUMINA LOW CEMENT CASTABLE  
**NATURE OF BOND** : HYDRAULIC  
**INSTALLATION** : VIBRATION CASTING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1700 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 4.5 – 5.2 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	78.5 - 80.1	79	BIS 12107 Part 3
Fe <sub>2</sub> O <sub>3</sub>	1.90 - 2.05	1.95	BIS 12107 Part 6
CaO	2.30 - 2.65	2.45	ASTM C 573

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.80 – 2.95	2.85	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	700 – 850	750	BIS 10570
after heating at 1100 °C / 3 hrs	850 – 1000	990	BIS 10570
after heating at 1550 °C / 3 hrs	1100 – 1250	1220	BIS 10570
% Retained on maximum size	0 – 5	4.0	BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 37 / + 1820	BIS 1528 Part 1
PLC, % after heating at 1550 °C / 3 hrs	(+ 1.8) to (– 0.5)	+1.40	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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