

**PRODUCT** : ACCPLAST 80  
**TYPE** : 80% ALUMINA PLASTIC  
**NATURE OF BOND** : CHEMICAL/ CERAMIC  
**INSTALLATION** : PNEUMATIC RAMMING

### GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1700 °C  
 MAXIMUM GRAIN SIZE: 6 mm  
 WATER CONTENT: 8.0 – 10 %

### CHEMICAL ANALYSIS, %

|                                | RANGE       | TYPICAL VALUE | TEST PROCEDURE   |
|--------------------------------|-------------|---------------|------------------|
| Al <sub>2</sub> O <sub>3</sub> | 80.0 – 85.0 | 84.65         | BIS 12107 Part 3 |
| Fe <sub>2</sub> O <sub>3</sub> | 1.25 – 1.50 | 1.29          | BIS 12107 Part 6 |

### PHYSICAL PROPERTIES

|                                                           | RANGE       | TYPICAL VALUE | TEST PROCEDURE |
|-----------------------------------------------------------|-------------|---------------|----------------|
| Dry density, g / cc<br>after drying at 260 °C / 3 hrs     | 2.40 – 2.65 | 2.60          | BIS 10570      |
| CCS, kg/cm <sup>2</sup><br>after drying at 260 °C / 3 hrs | 150 – 260   | 250           | BIS 10570      |
| after heating at 800 °C / 3 hrs                           | 350 – 500   | 454           | BIS 10570      |
| after heating at 1550 °C / 3 hrs                          | 400 – 550   | 472           | BIS 10570      |

### THERMAL PROPERTIES

|                                            |               | TYPICAL VALUE | TEST PROCEDURE  |
|--------------------------------------------|---------------|---------------|-----------------|
| Refractoriness, Orton / °C                 |               | + 37 / + 1820 | BIS 1528 Part 1 |
| PLC, %<br>after heating at 1550 °C / 3 hrs | +1.50 to -1.0 | +1.10         | BIS 10570       |

**Delivery State: Moistened and Rammable**

**Storage Life:** Best till 3 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.