



ULTRA LOW CEMENT CASTABLE

PRODUCT: ULTRAMON 60
TYPE: 60 % ALUMINA ULC CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1600 °C
MAXIMUM GRAIN SIZE: 6 mm
WATER REQUIRED FOR CASTING: 5.5 – 6.2 %

CHEMICAL ANALYSIS, %

| | RANGE | TYPICAL VALUE | TEST PROCEDURE |
|--------------------------------|---------------|----------------------|-----------------------|
| Al ₂ O ₃ | 57.00 – 61.00 | 60 | BIS 12107 Part 3 |
| CaO | 0.80 – 1.10 | 1.00 | ASTM C 573 |
| Fe ₂ O ₃ | 1.0 – 1.5 | 1.30 | BIS 12107 Part 6 |

PHYSICAL PROPERTIES

| | RANGE | TYPICAL VALUE | TEST PROCEDURE |
|--|--------------|----------------------|-----------------------|
| Dry density, g / cc after drying at 110 °C / 24 hrs | 2.50 – 2.62 | 2.54 | BIS 10570 |
| CCS, kg/cm ² after drying at 110 °C / 24 hrs | 375 – 475 | 450 | BIS 10570 |
| after heating at 1100 °C / 3 hrs | 800 – 900 | 880 | BIS 10570 |
| after heating at 1500 °C / 3 hrs | 900 – 1000 | 980 | BIS 10570 |
| % Retained on maximum size | 0 – 5 | 0.8 | BIS 1528 Part 14 |

THERMAL PROPERTIES

| | RANGE | TYPICAL VALUE | TEST PROCEDURE |
|--|---------------------|----------------------|-----------------------|
| Refractoriness, Orton / °C | + 36 / + 1804 | 32 / 1717 | BIS 1528 Part 1 |
| PLC, % after heating at 1100 °C / 3 hrs | (- 0.30) to (+0.30) | -0.20 | BIS 10570 |
| after heating at 1500 °C / 3 hrs | (- 1.00) to (+1.00) | -0.50 | BIS 10570 |

Packaging: 50 kg bags

Delivery State: Dry

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.
- (2) Extended Storage Life can be achieved when the product is supplied in 2 – pack.

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