

# KAST-O-LITE<sup>®</sup> 26 LIC/G

## Product Data

Ref:212/31/10/12

**Description:** High Performance Mix.

**Features:**

- Designed especially for applications where its combination of insulating ability and high temperature strength enables it to perform as a "one shot" lining.

**Uses:**

- Fluid catalytic cracking units.
- Naphtha reformers.
- Coal gasifiers.
- Other process furnaces requiring a semi-insulating, one shot lining.

### Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO <sub>2</sub>	45.6%
Alumina - Al <sub>2</sub> O <sub>3</sub>	42.6%
Titania - TiO <sub>2</sub>	1.5%
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub>	1.3%
Lime - CaO	7.8%
Magnesia - MgO	0.2%
Alkalies - Na <sub>2</sub> O + K <sub>2</sub> O	1.1%

### Physical Properties

	Conventional Cast
Maximum Recommended Temperature	1430°C
Quantity Required	1300 Kgs/m <sup>3</sup>
Water required for mixing per 100 Kgs	21 - 28 Litres Approximately
Bulk Density	Kgs/m <sup>3</sup>
After Heating at 105°C	1300 - 1580
Modulus of Rupture - ASTM C133 and C 865	MPa
After Heating at 105°C	1.0 - 5.0
After Heating at 815°C	0.5 - 3.0
After Heating at 1095°C	0.5 - 3.0
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	2.0 - 6.0
After Heating at 815°C	2.0 - 6.0
After Heating at 1095°C	1.0 - 3.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	Negligible
After Heating at 815°C	0.25% Shr
After Heating at 1370°C	0.30% Shr
Thermal Conductivity	W/mK
At 200°C	0.39
At 380°C	0.32
At 490°C	0.35
At 620°C	0.41
Shelf Life (Under Proper Storage Conditions)	365 days

Note: The test data shown are based on average results of control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification purposes.

MSDS, Installation Guidelines and Dry Out Schedules are also available.