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Technical Data Sheet

Ceramic Fibre Blanket

1,260°C classification, 96 and 128 kg/m³

Description

Ceramic fibre blanket is a lightweight, flexible insulation made from spun and needled alumina-silicate fibre, with a classification temperature of 1,260°C. It combines very low thermal conductivity, low heat storage, good thermal shock resistance and easy cutting and fitting, so it cuts fuel consumption and shortens heat-up time. It is supplied in rolls of 96 and 128 kg/m³ density in several thicknesses. Ochnology Solution Pvt. Ltd. is a manufacturer and supplier of ceramic fibre blanket, board and insulation bricks (IFB) for kiln, boiler, furnace and heat-treatment buyers in India and worldwide.

Typical Applications

- Backup and hot-face insulation of furnaces, kilns and ovens
- Boilers, heaters, incinerators and heat-treatment furnaces
- Expansion joints, door seals, pipe and exhaust insulation

Specification

S. No.	Parameter	Specification	Test Method
1	**Classification Temperature, °C**	1,260	ASTM C892
2	**Bulk Density, kg/m³**	96 / 128	ASTM C167
3	**Alumina (Al_2O_3), %**	≥ 44	XRF / chemical analysis
4	**Al_2O_3 + SiO_2, %**	≥ 97	XRF / chemical analysis
5	**Iron Oxide (Fe_2O_3), %**	≤ 1.0	XRF / chemical analysis
6	**Thermal Conductivity at 600°C mean, W/m·K**	≤ 0.16 / 0.14	ASTM C201
7	**Linear Shrinkage, 24 h at 1,260°C, %**	≤ 3.0	ASTM C356

General Properties

Product	Ceramic fibre blanket, 1,260°C grade
Thickness	10, 13, 20, 25 and 50 mm
Width / Length	610 mm width; roll length as per order
Packing	Roll in polythene bag, packed in carton

Handling and Storage

- Store in a dry place in the original packing; protect rolls from moisture and compression
- Wear gloves, a dust mask and long sleeves when cutting or installing; avoid generating dust
- For safety information, refer to the accompanying Safety Data Sheet (SDS)

Disclaimer: The information in this document is typical and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own evaluation under end-use conditions before use.