



**TYPE:** Bulk Refractory fibre

**Classification temperature:**

STD	: 1260 ° C
AZS	: 1425 ° C
CERA	: 1260 ° C
CERACHEM	: 1425 ° C

The Maximum use temperature depends on the application. In case of doubt, refer to MMTCL Technical service for advice.

**DESCRIPTION**

STD/Cera: Refractory fibre made from alumina and silica.

AZS/Cerachem: Refractory fibre made from Alumina, Silica and Zirconia.

All above fibres are resistant to chemical attack, except for hydrofluoric and phosphoric acids and strong alkalis.

**FEATURES**

- Excellent Thermal stability :resist devitrification at high Temperature
- Low thermal conductivity
- Excellent thermal shock resistance
- Excellent chemical stability
- High resiliency
- Good sound absorption
- Low heat storage capacity

**APPLICATIONS**

- Raw material for the manufacturing finished products such as Boards, Shapes, Paper, and Yarn etc.
- Expansion joints, Patching and emergency repairs in furnaces, Boilers, Heaters etc.
- Loose insulating fill for crowns and walls of kilns and furnaces.
- Packing material for temporary repair of insulation
- Precursor for engineered fibres

**MURUGAPPA MORGAN THERMAL CERAMICS LIMITED**
**PRODUCT INFORMATION**
**CERAMIC FIBRE BULK**
**MAIN PROPERTIES**

<b>Physical Properties</b>	STD	AZS	CERA	CERACHEM
Classification temperature°C	1260	1425	1260	1425
Chemical composition (%)				
Al <sub>2</sub> O <sub>3</sub>	43 – 47	32 – 36	42 – 46	33 – 37
SiO <sub>2</sub>	53 – 57	44 – 48	54 – 58	48 – 52
ZrO <sub>2</sub>	-	16 - 19	-	13 – 17
Fe <sub>2</sub> O <sub>3</sub>	0.1	0.1	0.1	0.1
CaO + MgO	0.08	0.08	0.08	0.08
Na <sub>2</sub> O + K <sub>2</sub> O	0.40	0.40	0.40	0.40
Specific gravity	2.65	2.65	2.65	2.65
Fibre Diameter (Microns)	1.5 – 3.0	1.5 – 3.0	3.0 – 4.0	3.0 – 4.0

**Availability & Packaging**

All Bulk fibres are delivered in 20 Kgs / 25 Kgs bags (or) in cartons of 16 Kgs.

All above blankets are subjected to standard tolerances. The values given herein are typical values obtained in accordance with accepted test methods and subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes.