

Ceramic Fiber Bulk



Datasheet Code 5-5-01 E

MSDS Code 104-9-EURO REACH

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DESCRIPTION

Cera/Cerawool: Refractory fibers made from alumina and silica

Cerachem: Refractory fibers made from Alumina, Silica and Zirconia

The above grade of fibers are impervious to most chemicals except Hydrofluoric & Phosphoric acids and strong alkalis

TYPE

Bulk refractory fibers

CLASSIFICATION TEMPERATURE

Cerawool : 1200°C

Cera : 1260°C

Cerachem : 1425°C

The maximum continuous use temperature depends on the application. In case of doubt, refer to MMTCL Technical Service for advice

FEATURES

- Excellent thermal stability with good resistance to devitrification at high temperatures
- Lower thermal conductivity
- Excellent thermal shock resistance
- Excellent chemical stability
- Low heat storage capacity
- High resiliency
- Good sound absorption

APPLICATIONS

- Raw material for the manufacture of finished products such as Boards, Shapes, Paper & Yarn
- Expansion joints, Patching and emergency repair in furnaces, boilers, heaters etc
- Loose insulating fill for crowns, walls of kilns and furnaces
- Packing material for temporary of insulation
- Precursor for engineered fibers

AUTH. CHANNEL PARTNER - VARSHA REFRACTORIES PVT. LTD.

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MAJOR PROPERTIES

Physical Properties		Cerawool	Cera	Cerachem
Classification Temperature	°C	1200	1260	1425
Chemical Composition (IS:12107/XRF)				
Al ₂ O ₃	%	37 – 41	42 – 46	33 – 37
SiO ₂	%	57 – 61	54 – 58	48 – 52
ZrO ₂	%	-	-	13 – 17
Fe ₂ O ₃	%	-	0.1	0.1
Specific gravity		2.65	2.65	2.65
Fibre Diameter (IS:14656)	Microns	3.0 – 4.0	3.0 – 4.0	3.0 – 4.0

AVAILABILITY AND PACKAGING

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

The values given herein are typical values obtained in accordance with accepted test methods and are 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. Check with your Thermal Ceramics office to obtain current information.

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