

CERAMIC BULK FIBER

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As the crucial and staple materials for producing ceramic fiber blanket, board ,module and other formed products, Luyangwool[®] ceramic bulk fiber is normally manufactured from high purity raw materials-alumina powder, silica sand through unique production techniques of spun or blowing,these bulks are loose,long and flexible with fine thermal properties, at present, the chopped fibers for vacuum formed production, the lubricated bulk fibers and the fiber for textiles are all available. Luyangwool[®] ceramic bulk fibers serve as an ideal filler for various types of refractory lining and insulation tools.



Features

- Low heat storage and thermal conductivity
- Excellent chemical and thermal stability
- Contains no bonding agent and corrosive substance
- Thermal shock resistance and acoustic absorption
- Asbestos free and flexible applications

Typical Applications

- Staple materials for other ceramic fiber products
- Expansion joint packing
- Filtration media
- Mouldable/Mastics feedstock
- Ladle insulation

Typical Parameters

Description	STD Bulk	HP Bulk	Textile Bulk	Chopped Bulk	HZ Bulk
Chemical Composition (%)					
Al ₂ O ₃	≥44	≥45	≥45	≥45	≥34
SiO ₂	≥52	≥54	≥54	≥54	≥50
Fe ₂ O ₃	≤1	≤0.5	≤0.5	≤0.5	≤0.5
TiO ₂	tr	tr	tr	tr	tr
Na ₂ O	≤1	≤0.2	≤0.2	≤0.2	≤0.2
ZrO ₂	-	-	-	-	≥15
Physical Properties					
Classification Temperature (°C)	1260	1260	1260	1260	1430
Shot Content (%)	≤15	≤15	≤15	≤15	≤12
Melting Point (°C)	1425	1575	1575	1575	1750
Fiber Diameter (um)	3.5				
Color	White				

The data shown are average results of tests under standard procedures and are subject to variation. Results should not be used for specification purposes or creating any contractual obligation. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.