



MaxWool® Fibers

Bulk and Engineered Fibers

NUTEC's MaxWool Fibers are a collection of high-temperature insulating fibers made from our high-purity and high-index fibers. **MaxWool Fibers** are used across many different Industrial and Commercial applications and are available in different chemistries. **MaxWool Fibers** can be further engineered to specific requirements by altering the Fiber length, fiber diameters, fiber index and various degrees of chopping.

MaxWool Fibers are engineered and manufactured to be utilized as a feedstock for certain manufacturing processes or any other applications where a consistent product is critical.

Key Features

- Excellent Chemical Resistance
- Low Thermal Conductivity
- High temperature stability
- Low Heat Storage
- Lightweight
- Thermal Shock Resistance
- Contains No Asbestos

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MaxWool Fiber 2300

These products are manufactured on computer-controlled, state-of-the-art furnaces to provide customers with consistent fiber properties. These fibers can also be chopped into several grades to provide customers with a fiber ideally suited for their application.

MaxWool Fiber 2600

Adding Zirconia and other ingredients provides a higher temperature fiber that can be utilized in applications up to 2450°F.

MaxWool Fibers can be chopped into several grades: coarse, medium, and fine. All **NUTEC** Engineered Fibers can also be supplied in a milled consistency with very small particle size. Milled fibers can be used as a functional additive in a variety of coatings and composites to provide superior wear resistance, improved corrosion resistance, reinforcement, and excellent compressive strength.



Product Properties	MaxWool Fiber 2300	MaxWool Fiber 2600
Product Chemistry	High Purity	AZS
Color	White	White
Maximum Use Temperature	2300°F (1260°C)	2600°F (1425°C)
Continuous Use Temperature	2150°F (1177°C)	2450°F (1345°C)
Melting Point	3200°F (1760C°)	3200°F (1760°C)

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Please refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.



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Technical Data Sheet Rev. 3 (3/14/2024)

Chemical Composition (%)	MaxWool Fiber 2300	MaxWool Fiber 2600
Al ₂ O ₃	44–50	33–37
SiO ₂	50–56	47–51
ZrO ₂	< 1	13–19
Other	•	< 1

Typical Parameters			
FIBER TYPE	PRODUCT	CHOP LEVEL	FIBER INDEX
MaxWool Fiber 2300	MaxBulk 2300	None	45–65%
	EF-2300 OP	Opened	45–65%
	EF-2300 CC	Coarse	45–65%
	EF-2300 MC	Medium	45–65%
	EF-2300 FC	Fine	45–65%
MaxWool Fiber 2600	MaxBulk 2600	None	45–65%
	EF-2600 OP	Opened	45–65%
	EF-2600 CC	Coarse	45–65%
	EF-2600 MC	Medium	45–65%
	EF-2600 FC	Fine	45–65%

- Fiber Index is the percentage of fiberized material by weight in a fiber. Unfiberized material is called shot. (i.e., higher fiber index indicates a “cleaner” fiber). Fiber index is measured using the conical elutriation method.

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