



# MaxMoldable®

## Moldable Ceramic Fiber Mix

**MaxMoldable** is a high-performance, moldable insulation material made from a blend of alumina-silica fibers and binders. Its tacky, putty-like texture allows it to adhere easily to ceramic fiber, refractory surfaces, and steel. Designed to prevent heat loss from deteriorated linings, it also serves as an effective sealant or crack filler in high-temperature environments.

The product is available in two grades—**MaxMoldable 2300** and **MaxMoldable 2600**—offering classification temperatures of **2300°F** (1260°C) and **2600°F** (1425°C), respectively.

For applications involving direct contact with molten metals, **MaxMoldable 2300 AL** is recommended, particularly in aluminum and non-ferrous metal operations such as transfer troughs and ladles.

### Key Features

- Low Heat Storage
- Excellent Thermal Shock Resistance
- High Velocity Resistance
- Easy to Install
- Adheres to Ceramic and Refractory Materials
- Excellent Corrosion Resistance
- Impermeable to Non-Ferrous Metals
- Contains no Asbestos

Visit [nutec.com](http://nutec.com) for more information



Typical Properties	MaxMoldable 2300	MaxMoldable 2300 AL	MaxMoldable 2600
Color	White	White	White
Maximum Use Temperature	2300°F (1260°C)	2300°F (1260°C)	2600°F (1425°C)
Continuous Use Temperature	2190°F (1200°C)	2000°F (1093°C)	2500°F (1370°C)
Solids	50%	50%	40%
Wet Density lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	70–84 (1120-1350)	75-85	71–84 (1137-1350)
Dry Density lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	30–50 (481-561)	40–50	40–45 (640-720)
Linear Shrinkage 24h °F (°C)	2.8% @ 2000°F (1093°C)	4% @ 2000°F (1093°C)	2.8% @ 2000°F (1093°C)
Molten Aluminum Wetting Resistance	•	Excellent	•

Chemical Analysis (%)	MaxMoldable 2300	MaxMoldable 2300 AL	MaxMoldable 2600
AL <sub>2</sub> O <sub>3</sub>	40-42	45 -47	33-37
SiO <sub>2</sub>	50-52	50-52	47-51
Zr <sub>2</sub> O <sub>3</sub>	•	•	13-19
Other	•	•	<1

### Presentation & Shelf Life

Packaging	<ul style="list-style-type: none"> <li>• 1 &amp; 2 lb Caulking Tube</li> <li>• 1 &amp; 5 gal Pail</li> </ul>
Shelf Life	<ul style="list-style-type: none"> <li>• 6 Months</li> </ul>

### Installation Techniques

MaxMoldable 2300, 2300 AL, and 2600 can be applied using a hand trowel or a caulking gun.

### Typical Applications

- Trough Liners for Non-Ferrous Metals
- Gaskets and Seals for Burner Blocks
- Gaskets and Seals for Chimneys and Stacks
- Boiler Door Seals and Thermal Insulation
- Fill Voids and Cracks in Refractory Surfaces

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.

NUTEC Inc.

11830 Mt Holly-Huntersville Rd  
 Huntersville  
 NC 28078  
 USA

1 (704) 946-2427  
 info@nutec.com

