

## Alumina Paper

### Features/Advantages

- Easy to cut wrap or form
- Temperature stability
- Low thermal conductivity
- Low shrinkage
- Resilient
- Light Weight
- Thermal shock resistant
- High heat reflectance
- Good dielectric strength
- Excellent corrosion resistance

### Applications

- Ceramic kiln liner
- Aerospace insulation composites
- High temperature gaskets in corrosive environments
- Thermal and electrical insulation
- Battery separator media
- Parting agent in brazing, heat treating, and metal forming processes
- Insulation in high temperature hydrogen furnaces

LyTherm® 3000-L alumina paper is a lightweight refractory material processed from high purity bulk alumina fibers formed into a flexible sheet. It is recommended for continuous use at temperatures up to 3000°F (1650°C), in applications that demand low shrinkage, a high degree of thermal stability, and temperature protection up to 3000°F (1650°C).

LyTherm® 3000-L is designed specifically for use in high temperature heat treating, ceramic kilns, and in aerospace insulation composites.

LyTherm® 3000-L Alumina Paper contains an organic binder to provide increased handling strength at room temperature. It possesses excellent chemical stability and resists both oxidation and reduction, even in the presence of hydrogen at high temperatures. If it becomes wet due to water, steam, or oil, its thermal and physical properties will return upon drying.

### Available Roll Sizes and Thicknesses

1/16"	#15
1/8"	#15

Available Widths: 12", 24"

### Technical Data

<b>Melting Point</b>	3600°F (1982°C)
<b>Maximum Use Temperature</b>	3000°F (1650°C)
Typical Chemical Analysis:	
Al <sub>2</sub> O <sub>3</sub>	97.00%
SiO <sub>2</sub>	2.8%
Others	0.2%
LOI	6%
<b>Density lbs/ft<sup>3</sup> (kg/m<sup>3</sup>)</b>	<b>8(128)</b>