LyTherm®
A Lydall Engineered Product

Grade Rollboard Utility Paper

Ceramic Fiber Paper

Features/Advantages

- Easy to cut wrap or form
- Temperature stability
- Low thermal conductivity
- Low heat storage
- Resilient
- Light Weight
- Thermal shock resistant
- Good dielectric strength
- High fired tensile strength
- Good flame resistance

Applications

- Asbestos paper replacement
- Investment cast mold wrap insulation
- One-time consumable insulating applications
- Backup lining for metal troughs
- Hot top linings
- Applications where low binder content is required
- Thermal and electrical insulation
- Upgrade for fiberglass paper and blanket products

Available Roll Sizes and Thicknesses

1/16″	#25/50
1/10″	#25/50
1/8″	#25/50

Available Widths: 24″, 48″
(Other Widths Available up to 72″ Maximum)

LyTherm Rollboard Paper is a lightweight refractory material processed from a blend of high purity alumina-silica fibers into a highly flexible, uniform sheet. It is recommended for continuous use at temperatures up to 2300°F (1260°C).

LyTherm Rollboard is a low cost, utility grade paper that has low shrinkage, good handling strength, and low thermal conductivity. It contains a small amount of organic binder for processing which makes it flexible, yet reduces off-gassing and odor during use. LyTherm Rollboard has a highly uniform structure due to its controlled basis weight and thickness, assuring homogeneous thermal conductivity and a clean, smooth surface ideal for gasketing or sealing.

LyTherm Rollboard is completely free of asbestos and is designed to be an economic replacement for asbestos paper in most applications. LyTherm Rollboard is easy to handle and is readily cut with a knife, shears, or standard steel rule dies. Its flexibility allows it to be wrapped or rolled to fit most comlex configurations.

	1/16″	1/10″	1/8″
Tensile Strength – gms/inch			
Machine Direction	2700	3500	5000
Cross Direction	2500	3100	4000
Thickness Specifications:			
Nominal	1/16″ (1.60mm)	1/10″ (2.54mm)	1/8″ (3.20mm)
Uncompressed (in. @ 4psf)	0.070	0.100	0.125

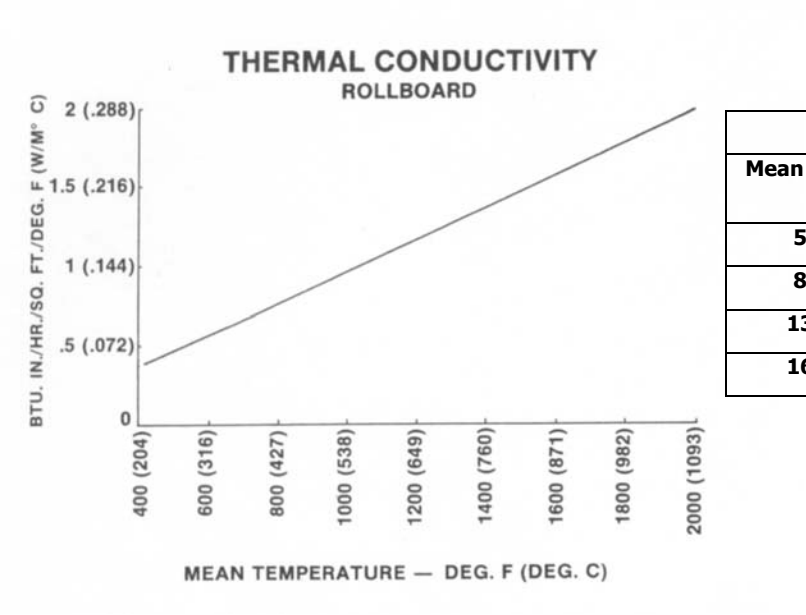
Technical Data

Melting Point	3200°F (1760°C)
Maximum Use Temperature	2300°F (1260°C)
Typical Chemical Analysis:	
Al_2O_3	46.50%
SiO_2	53.40%
Others	0.10%
LOI	6%
Density lbs/ft³ (kg/m³)	6-8(96-128)

Lydall™
Lydall Industrial Thermal Solutions, Inc.

LyTherm®
A Lydall Engineered Product

Grade Rollboard Utility Paper



Thermal Conductivity	
Mean Temperature °F(°C)	**BTU-in/hr/ft²/°F (w/m°C)**
500 (260)	**.47 (.067)**
800 (427)	**.71 (.102)**
1300 (704)	**1.19 (.172)**
1600 (871)	**1.67 (.240)**

Lydall™

Lydall Industrial Thermal Solutions, Inc.