



A Lydall Engineered Product

Grade 1530-L & 1535-L

Premium Paper

LyTherm® Premium Grade Paper is a lightweight refractory material processed from highly washed, spun, high purity alumina silica fibers formed into a highly flexible sheet. It is recommended for continuous use at temperatures up to 2300°F(1260°C) in applications requiring high handling strength, resiliency, and excellent thermal properties.

Features/Advantages

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

Applications

- High efficiency thermal barrier
- Backup lining for metal troughs
- High temperature gaskets
- Hot top linings
- Thermal and electrical insulation
- Coke oven door shock absorption medium
- Induction furnace coil separator

Because it is formulated with a low content of unfiberized particles, LyTherm® Premium Grade Paper offers extremely low thermal conductivity and a dust-free surface. It was designed specifically for applications where low shot content, compression recovery, low thermal conductivity, and minimum shrinkage are of critical importance.

LyTherm® Premium Grade Paper contains an organic binder to provide increased handling strength at room temperature. It possesses excellent chemical stability and resists attack from most corrosive agents. Exceptions are hydrofluoric and phosphoric acids and concentrated alkalis. Because of its high-purity chemistry LyTherm® Premium Grade Paper resists both oxidation and reduction. If it becomes wet due to water, steam, or oil, its thermal and physical properties will return upon drying.

Available Roll Sizes and Thicknesses

1/32"	#10	#25	MR
1/16"	#10	#25	MR
1/8"	#10	#25	MR
1/4"	#10	#25	MR

Available Widths: 12", 24", 36", 48"
(other widths available up to 72" maximum)

Technical Data

Melting Point	3200°F (1760°C)
Maximum Use Temperature	2300°F (1260°C)
Typical Chemical Analysis:	
Al ₂ O ₃	47.00%
SiO ₂	52.62%
Na ₂ O	0.18%
Fe ₂ O ₃	0.03%
Others	0.17%
LOI	8-10%
Density lbs/ft ³ (kg/m ³)	6-9(96-144)
Dielectric Strength (Volts/mil)	55



Lydall Industrial Thermal Solutions, Inc.

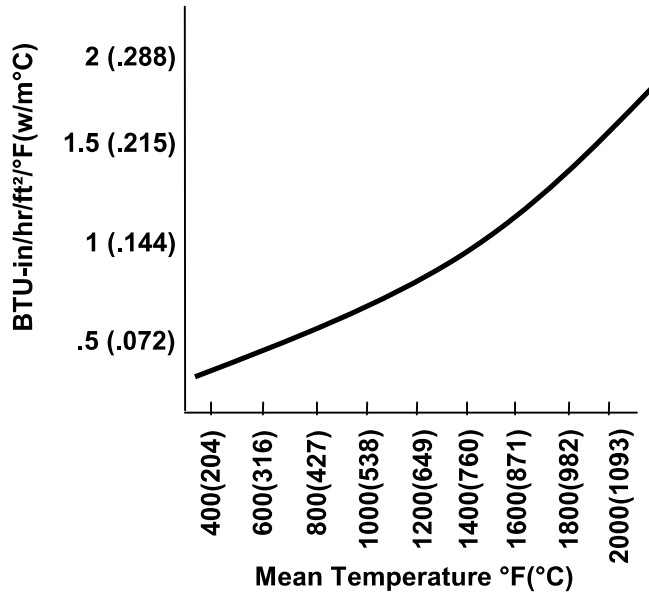
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**Thermal Conductivity
LyTherm 1530-L & 1535-L**



Thermal Conductivity

Mean Temperature °F(°C)	BTU-in/hr/ft²/°F(w/m°C)
500 (260)	.43 (.062)
800 (427)	.57 (.082)
1300 (704)	.83 (.120)
1600 (871)	.98 (.142)



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