

# ManniGlas® 2000 ManniGlas® 2002

THERMAL INSULATION PAPERS

Partners  
in performance



## Non-Respirable Glass Fiber Paper for Economical Thermal Insulation

*ManniGlas*® 2000 is a non-respirable paper that offers outstanding thermal performance in a range of thermal gasket applications. The distinct advantages of these electrical grade glass fibers include:

- Ability to withstand continuous operating temperatures up to 1100°F (640°C), excursion 1200°F (649°C)
- Meets UL 94V-0 for non-flammability, excluding certain specialty grades
- Highly uniform surface and excellent thickness control
- Non-formaldehyde-based binders
- Outstanding dimensional stability
- Excellent die-cutting properties for intricate shapes and narrow spans
- Flexibility
- Excellent compression resistance
- ISO-9001:2008 certified
- ROHS Compliant
- REACH Compliant
- Low LOI to satisfy low smoke & odor requirements



Authorized Distributor,  
Converter, and Fabricator  
[www.jbc-tech.com](http://www.jbc-tech.com)

To meet your thermal requirements in thermal barrier applications,  
trust *ManniGlas* 2000 & 2002.

\*This product is an article and not subject to registration

Material Property	Standard Thickness, in (mm)		
	0.060 (1.52)	0.125 (3.18)	0.250 (6.35)
Thickness Measurement Gauge, psi (kPa)	7.3 (50)	0.5 (3.4)	0.5 (3.4)
Density - Post compression, pcf (g/cc)	11 (0.18)	7.1 (0.11)	6.5 (0.10)
Basis Weight, lb/2880ft <sup>2</sup> (g/m <sup>2</sup> )	159 (270)	213 (361)	390 (660)
LOI, % by wt	6	6	6
Machine Direction Tensile Strength, lb/in (kg/25 mm)	25 (11)	33 (15)	83 (37)
Cross Directional Tensile Strength, lb/in (kg/25mm) (g/cc)	22 (10)	34 (15)	71 (32)
Color Availability	White Black	White Black	White

### Typical Applications

- Laminated to foil for use as a thermal barrier for light fixtures
- Thermal shield in the automotive industry after laminating
- Provides aircraft noise reduction and thermal protection
- Outlet piper insulation

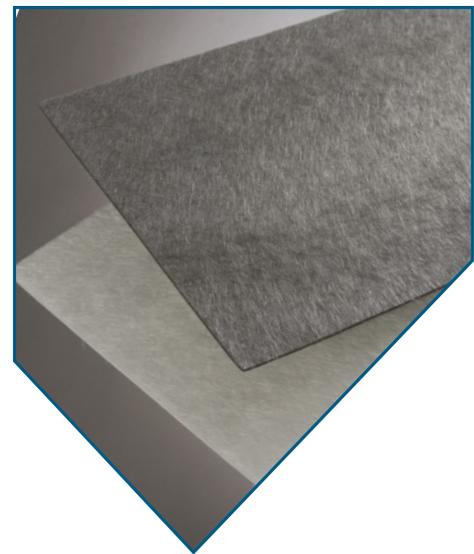
### Testing/Engineering Services

- Thermal imaging for performance validation
- Thermal conductivity for material characterization
- Thermal modeling for engineering solutions

Mean Temperature, °F (°C)	Thermal Conductivity* BTU in/hr ft <sup>2</sup> °F (W/mK)
75 (24)	0.22 (0.032)
300 (149)	0.33 (0.047)
600 (316)	0.55 (0.079)
900 (482)	0.92 (0.132)
1100 (593)	1.29 (0.186)

\*Per ASTM C177 @ 0.125" thickness

Product Availability	
Standard Roll Width, in (mm)	51 (1295.4)
Custom Roll Width, in (mm) Range	2 (50.8) - 104 (2641.6)
Standard Core Diameter — ID, in (mm)	3 (76.2)
Standard Roll Diameter — OD, in (mm)	40 (1016)
Slitting	Custom
Palletizing	Available upon request
Packaging	Stretched - wrapped



Note: All product data is nominal and does not represent a specification.

All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. We make no warranty, expressed or implied, concerning actual use or results because of industry specific influences.

