

TYPICAL PROPERTY SHEET

ManniGlas® 2000

THERMAL INSULATION PAPERS

ManniGlas®
THERMAL INSULATION PAPERS

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 (593°C), excursion 1200°F (649°)
- Meets UL 94V-0 for non-flammability
- Highly uniform surface and excellent thickness control
- Non formaldehyde-based binders
- Outstanding dimensional stability
- Excellent die-cutting properties for intricate shapes and narrow spans
- Excellent compression resistance
- ISO-9001:2015 certified
- ROHS Compliant
- REACH Compliant*
- Low LOI to satisfy low smoke & odor requirements

*This product is an article and not subject to registration



To meet your thermal requirements in critical thermal barrier applications, trust ManniGlas 2000.

TYPICAL PROPERTY SHEET

ManniGlas® 2000

THERMAL INSULATION PAPERS

ManniGlas

THERMAL INSULATION PAPERS

Material Property	Standard Thickness, in (mm)	
	0.125 (3.18)	0.25 (6.35)
Thickness Measurement Gauge, psi (kPa)	0.5 (3.4)	0.5 (3.4)
Density - Post Compression, lbs/ft ³ (g/cc)	6.9 (0.11)	6.6 (0.11)
Basis Weight, lbs/2880 ft ² (g/m ²)	212 (359)	404 (685)
LOI, %	6	6
Machine Direction Tensile, lbs/in (kg/25mm)	48 (21)	78 (35)
Cross Direction Tensile, lbs/in (kg/25mm)	36 (16)	65 (29)
Color Availability	White	

Mean Temperature, °F (°C)	Thermal Conductivity* BTU in/hr ft ² °F (W/mK)
75 (24)	0.22 (0.031)
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

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

Product Availability	
Standard Roll Width, in (mm)	51 (1295)
Custom Roll Width, in (mm) Range	2 (51) - 104 (2642)
Standard Core Diameter ---- ID, in (mm)	3 (76)
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.

Form A-5238
Effective 05/23
2023 Alkegen
All Rights Reserved

Alkegen

Corporate Headquarters
5215 N. O'Connor Blvd, Suite 2300
Irving, TX 75039
Telephone: 716-768-6500
Internet: www.Alkegen.com
Email: Info@Alkegen.com

ALKEGEN