

ManniGlas®
THERMAL INSULATION PAPERS

Partners
in performance



Premium Grade, Non-Respirable Glass Fiber Paper for Outstanding Thermal Insulation

ManniGlas® 1200 is a premium grade, non-respirable, low cost alternative to silicone and ceramic fiber gasketing materials. It excels in applications requiring superior thermal resistance where space is limited. The unique advantages of these electrical grade glass fibers include:



Authorized Distributor,
Converter, and Fabricator
www.jbc-tech.com

- Ability to withstand humidity and continuous operating temperatures up to 1200°F (640°C) without shrinkage
- Meets UL 94V-0 for non flammability, excluding certain specialty grades
- Highly uniform white surface and excellent thickness control
- Non-formaldehyde-based binders
- Outstanding dimensional stability
- Excellent die-cutting properties which allow for intricate shapes and narrow spans
- Flexibility
- Excellent compression resistance
- ISO-9001:2008 certified
- E glass composition
- Low LOI to satisfy low smoke & odor requirements
- ROHS Compliant
- REACH Compliant

To meet your thermal requirements in critical thermal barrier applications, trust *ManniGlas 1200*.

Material Property	Standard Thickness, in (mm)			
	0.015 (0.38)	0.030 (0.76)	0.060 (1.52)	0.125 (3.18)
Thickness Measurement Gauge, psi (kPa)	7.3 (50)	7.3 (50)	7.3 (50)	0.5 (3.4)
Density - Post compression, pcf (g/cc)	12 (0.19)	11.5 (0.18)	11.5 (0.18)	8.7 (0.14)
Basis Weight, lb/2880ft ² (g/m ²)	43 (73)	83 (141)	165 (280)	251 (441)
LOI, % by wt	6	6	6	6
Machine Direction Tensile Strength, lb/in (kg/25 mm)	12 (6)	21 (9)	44 (20)	45 (20)
Cross Directional Tensile Strength, lb/in (kg/25mm) (g/cc)	11 (5)	20 (9)	47 (21)	50 (23)

Mean Temperature, °C (°F)	Thermal Conductivity* W/mK (BTU in/hr ft ² °F)
75 (24)	0.22 (0.031)
140 (60)	0.28 (0.039)
167 (75)	0.31 (0.044)
500 (260)	0.35 (0.051)
650 (345)	0.42 (0.060)

*Per ASTM C177 @ 0.125" thickness

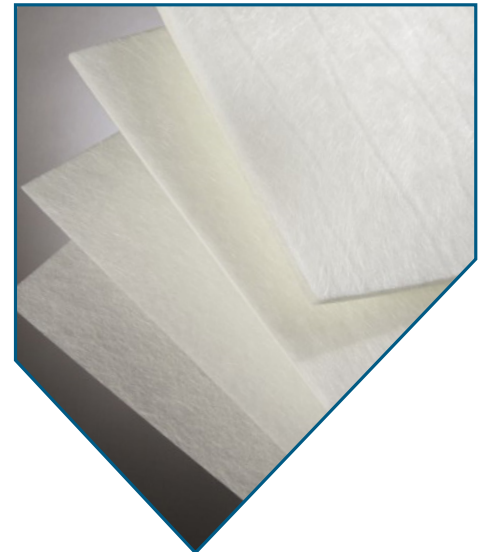
Product Availability	
Standard Roll Width, in (mm)	51 (1295.4)
Custom Roll Width, in (mm)	2 (50.8) - 104 (2641.6)
Standard Core Diameter — ID, in (mm)	3 (76.2)
Standard Roll Diameter — OD, in (mm)	40 (1016)
Slitting	Custom
Palletizing	Available upon request
Packaging	Stretched - wrapped

Typical Markets

- Automotive
- Boilers
- Furnaces
- Hearth Products
- Lighting
- Steam Trace Lines
- Stoves
- Water Heaters

Typical Applications

- Provides thermal insulation where space is at premium
- High temperature gaskets and seals
- Laminated with foil for use as a thermal shield
- PSA-coated and slit into strips to act as seals and protect thermal breaks
- Laminated/Mechanically attached to other substrates to create unique thermal



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.

