

TYPICAL PROPERTY SHEET

ManniGlas® 1200

THERMAL INSULATION PAPERS

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

ManniGlas® 1200 is a premium grade, non-respirable glass alternative to silicone and ceramic fiber gasketing materials. ManniGlas® 1200 grades excel in applications requiring superior thermal resistance where space is limited. The unique advantages of these E (electrical) grade glass and offer:

- Excellent thermal properties at continuous operating temperatures up to 1100°F (593°C), excursion 1200°F (649°)
- Meets UL 94V-0
- Highly uniform surface and excellent thickness control
- Composed of non formaldehyde-based binders
- Outstanding dimensional stability
- Excellent die-cutting properties for intricate shapes
- Provide excellent compression resistance
- ISO-9001:2015 certified
- Low LOI to low smoke & odor requirements
- ROHS Compliant
- REACH Compliant*

*This product is an article and not subject to registration



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

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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, lbs/ft ³ (g/cc)	12.1 (0.19)	12.1 (0.19)	11.7 (0.19)	8.5 (0.14)
Basis Weight, lbs/2880 ft ² (g/m ²)	44 (75)	87 (147)	171 (290)	254 (431)
LOI, %	6	6	6	6
Machine Direction Tensile, lbs/in (kg/25mm)	13 (5.8)	25 (11.2)	51 (22.8)	63 (28)
Cross Direction Tensile, lbs/in (kg/25mm)	9 (4)	24 (10.7)	47 (21)	58 (26)
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)	0.30 (0.043)
600 (316)	0.46 (0.066)
900 (482)	0.70 (0.100)
1100 (593)	0.92 (0.133)

*Per ASTM C177@0.125" thickness

Typical Markets

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

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

Typical Applications

- Provides thermal insulation where space is at a 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 solutions

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-5237
Effective 05/23
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