

TYPICAL PROPERTY SHEET

ManniGlas® 1900 & 1902

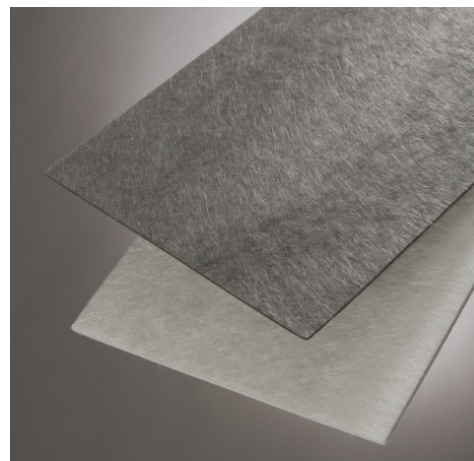
THERMAL INSULATION PAPERS

ManniGlas®
THERMAL INSULATION PAPERS

Non-Respirable Glass Fiber Paper for Outstanding Thermal Insulation

ManniGlas® 1900 is a premium grade, non-respirable glass alternative to silicone and ceramic fiber gasketing materials. ManniGlas® 1900 grades excel in applications requiring superior thermal resistance where space is limited. ManniGlas® 1902 has the same, outstanding characteristics as ManniGlas 1900, yet is BLACK for applications where white insulation is not desired. ManniGlas 1900 and 1902 are comprised of E (electrical) grade glass and offer:

- Ability to withstand continuous operating temperatures up to 1100°F (593°C), excursion 1200°F (649°)
- Meets UL 94V-0 (excludes certain specialty grades)
- Highly uniform surface and excellent thickness control
- Non formaldehyde-based binders
- Outstanding dimensional stability
- Excellent die-cutting properties for intricate shapes
- Flexibility and Strength
- Excellent compression resistance
- Low LOI to satisfy low smoke & odor requirements
- ISO-9001:2015 certified
- RoHS Compliant
- REACH Compliant*



To meet your thermal requirements in critical thermal barrier applications, trust ManniGlas 1900 Family of fiberglass papers.

*This product is an article and not subject to registration

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Material Property	Standard Thickness, in (mm)				
	0.030 (0.76)	0.060 (1.52)	0.125 (3.18)	0.25 (6.35)	0.375 (9.53)
Thickness Measurement Gauge, psi (kPa)	7.3 (50)	7.3 (50)	0.5 (3.4)	0.5 (3.4)	0.5 (3.4)
Density - Post Compression, lb/ft³ (g/cc)	11.5 (0.18)	11.5 (0.18)	7 (0.12)	7 (0.12)	7 (0.12)
Basis Weight, lbs/2880 ft² (g/m²)	79 (134)	165 (280)	219 (371)	451 (764)	650 (1102)
LOI, %	6	6	6	6	6
Machine Direction Tensile, lb/in (kg/25mm)	17 (8)	30 (13)	40 (18)	80 (36)	83 (37)
Cross Direction Tensile, lb/in (kg/25mm)	15 (7)	30 (13)	30 (13)	70 (31)	83 (37)
Color Availability	White	White	White Black	White	White

Mean Temperature, °F (°C)	Thermal Conductivity* BTU in/hr ft² °F (W/mK)
75 (24)	0.23 (0.033)
300 (149)	0.32 (0.046)
600 (316)	0.48 (0.070)
900 (482)	0.74 (0.106)
1100 (593)	0.98 (0.141)

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 Markets

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

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.