## *HT125 Manniglas® 1900*

### FEATURES

- Highest UL Rating (94V-0) for Non-Flammability
- Made from Electrical Grade Glass-Fiber
- Withstands Humidity and Continuous Operating Temperatures up to 1200°F Without Shrinkage or Losing Shape
- Low-Density Nonwoven provides Low Cost per Unit Area
- Similar Thermal Performance to Woven Glass at a Fraction of the Cost
- Can be Used Alone or Laminated to Foil for Enhanced Thermal Performance

### APPLICATIONS

- Laminated to Foil and used as Thermal Barrier
- Die Cut and used as a Seal in Furnace Applications
- Laminated for Thermal Shielding in the Automotive Industry
- Aircraft Noise Reduction and Thermal Protection Application
- Insulation for Outlet Pipe Stoves

### STYLE 84215/9480 HT TYPICAL PHYSICAL PROPERTIES

| MATERIAL PROPERTY | ENGLISH | METRIC | TEST METHOD BASED ON |
|---|---|---|---|
| BASIS WEIGHT | 219 (lb/2880 $ft^2$) | *372 (g/ $m^2$)* | TAPPI T-410 |
| THICKNESS* | .125 (in) | *3.18 (mm)* | ----- |
| DENSITY | 7.5 (lb/ $ft^3$) | 0.12 (g/cc) | ASTM D-202 |
| TENSILE STRENGTH<br>∫ Machine Direction<br>∫ Cross Direction | <br>44 (lb/in.)<br>38 (lb/in.) | <br>19.6 (kg/25mm)<br>17.0 (kg/25mm) | <br>TAPPI T-494<br>TAPPI T-494 |
| ASH | | 94 (%) | TAPPI- T-1013 |
| THERMAL CONDUCTIVITY | | | ASTM C518-91 |
| 75°f | 0.21 (BTU in/hr ft2°F) | 0.029 [ W/m K)] | |
| 250°F | 0.27 | *0.038* | |
| 500°F | 0.40 | *0.057* | |
| 750°F | 0.64 | 0.091 | |