



# ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

## CERMEX® PR1000-P PREMIUM FIBERGLASS PAPER

CERMEX® PR1000-P Fiberglass Paper is a premium grade paper with a continuous operating temperature of 1000°F • 538°C. Manufactured from non-respirable, high-purity E-glass fibers, CERMEX® PR1000-P Fiberglass Paper is excellent for use as die-cut gaskets in thermal barrier applications, and can be laminated with aluminum foil or PSA on one or both sides.



### AVERAGE PHYSICAL PROPERTIES

|  |   |                        |               |              |
|--|---|------------------------|---------------|--------------|
| Paper  | Non-respirable E-Glass fibers                 |                        |               |              |
| Construction   | Felted paper, organic binder                  |                        |               |              |
| Temperature Rating                                     |   |                        |               |              |
| Continuous use   | 1000°F • 538°C                                |                        |               |              |
| Short term use   | 1200°F • 648°C                                |                        |               |              |
| Melting Point (fiber only)                             | >2000°F • >1093°C                             |                        |               |              |
| Loss on Ignition, %                                    | 5 - 7   |                        |               |              |
| Shot Content, %  | None  |                        |               |              |
|  | 1/64"   | 1/32"                  | 1/16"         | 1/8"         |
| Thickness, inches • mm                                 | .015 • 0.38                                   | .030 • 0.76            | .0625 • 1.587 | .125 • 3.175 |
| Density, lbs/ft <sup>3</sup> • g/cc (after compressed) | 12 • 0.19                                     | 11.5 • 0.18            | 11.5 • 0.18   | 8.7 • 0.14   |
| Tensile Strength, lbs/in • kg/25 mm                    |   |                        |               |              |
| Machine Direction                                      | 12 • 6  | 21 • 9                 | 44 • 20       | 45 • 20      |
| Cross Direction  | 11 • 5  | 20 • 9                 | 47 • 21       | 50 • 23      |
| Thermal Conductivity for all thicknesses               | @ °F • °C                                     | BTU/in./hr./°F • W/m.K |               |              |
|  | 75 • 24                                       | 0.21 • 0.03            |               |              |
|  | 250 • 121                                     | 0.28 • 0.04            |               |              |
|  | 500 • 260                                     | 0.41 • 0.06            |               |              |
|  | 750 • 400                                     | 0.57 • 0.08            |               |              |
|  | 1200 • 648                                    | 1.04 • 0.15            |               |              |
| Standard Width   | 51", custom widths available, minimum applies |                        |               |              |

Tolerance is +/- 10% unless otherwise stated.

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.

Rev.1.5-28.2019

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