

Specifications

G83 & G550 Ceramic Fiber Paper

Introduction

G83 and G550 Ceramic fiber papers are a unique class of products which consist primarily of an alumino-silicate fiber in a nonwoven matrix with a latex binder system. The ceramic fibers are randomly orientated forming uniform, flexible, lightweight sheets in a specialized paper-making process which is statistically controlled.

Ceramic papers have been available for over 25 years.

Product Line Advantages

Gaskets, Inc. Ceramic fiber papers offer industrial engineers many unique problem-solving advantages. They include:

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Weight reduction
- Resiliency
- Thermal shock resistance
- High heat reflectance
- Good dielectric strength
- Excellent corrosion resistance
- Easy to wrap, shape, or cut

General Uses of Ceramic Papers

Ceramic papers are used to solve all types of heat related problems, and are used as:

- Highly efficient refractory backup
- Dependable fire protection
- Thermal insulation
- Hot gas filtration media
- Refractory tube fabrication
- High temperature gasket

G83 and G550 is available in 1/8" X 24" X Lineal Length and is sold by the Square Foot

Gaskets Inc. Ceramic paper is used where reliability and consistency are important. G83 and G550 ceramic paper is made from unwashed high purity ceramic fiber. Its higher density and binders give performance properties ideal for most refractory-type applications and has excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric and phosphoric acids and concentrated alkalis. If they are wet by water or steam, all thermal and physical properties are completely restored upon drying. No water of hydration is present. Both G83 and G550 have good dielectric strength.

Typical Markets/Applications

Aerospace

Heat shields, nose cone ablative shields, igniter line protection, and oxygen generators.

Appliance

Self-cleaning ovens, wood burning stoves, electrical heaters, mobile home appliance insulation.

Ceramic and Glass

Ware separator, metal clad brick gaskets, glass tank refractory backup.

Petrochemical

Transfer line protection, welding, and brazing protection.

Automotive

Muffler insulation, heat shielding.

Steel and Nonferrous

Investment casting mold wrapping, ladle refractory backup, tube couple protection.