

NUPLY™ Papers

MaxPly2 Ceramic Fiber Insulation

Product Description:

MaxPly2 is a high temperature paper manufactured from a high index, high purity spun fiber with an acrylic latex binder to form a uniform, strong, flexible, light-weight sheet.

The high temperature stability combined with extremely low thermal conductivity make **MaxPly2** the perfect solution for many different applications as a thermal insulator, heat shield, gasket or seal.

This high temperature paper uses the new high index, spun fiber technology adding to both the green strength as well as the retained strength after the binders are removed.

Nutec’s “high index” fiberization technology eliminates the coarse shot fraction normally associated with high temperature fibers, without the costly step of pre-washing the fiber. The result is a 30% decrease in thermal conductivity as compared to the standard high shot fiber papers. In addition, it eliminates nuisance dust and reduces abrasion on cutting tools.

Features and benefits:

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Lightweight, strong, flexible
- Easy to fabricate, low dust
- High compressive strength



Markets & Applications:

MaxPly2 papers are commonly used throughout industry where thin, light-weight, high temperature materials are needed:

- **Automotive:** Exhaust heat shields, airbags inflators, electric vehicle lithium batteries separators
- **Appliances:** Ovens, stoves, electric heaters, wood burning stoves
- **Industrial Heat processing:** Ceramic & Glass, Petrochemical, Steel, Non-Ferrous Metals
- **Other Industries:** Aerospace & Fire Protection

Temperature Rating:

	(F)	(C)
Maximum Temp:	2300	1260
Continuous:	2150	1176
Melting Point:	3260	1793

MaxPly2 Paper Properties: (Typical)

Color: White

Density: 12 PCF

Fiber Index: 65%

LOI (Organic Binder): 10%

Chemical Composition: (fiber)

Alumina Oxide: 50% (approx.)

Silica Oxide: 50% (approx.)

Other: less than 1%

MaxPly2 availability:

(3) standards basis weight/ calipers

- MP2-175F-1/16" (0.625")
- MP2-350J-1/8" (0.125")
- MP2-700K-1/4" (0.250")

(2) Standard widths: 24" & 48"

non-standard widths from 1" to 72"
available upon request

Standard lengths; approx. weight 24" & 48"

MP2-175F = 200 LF/roll, 25 lbs., 50 lbs.

MP2-350J = 100 LF/roll, 25 lbs., 50 lbs.

MP3-700K = 50 LF /roll, 25 lbs., 50 lbs.