



AIR PERMEABLE

NEEDED & SOLID WOVEN FABRICS



Why Choose Air Permeable Fabric?

Uniform Thickness	Ideal for Bends
Consistent Airflow	Unusual Shapes
No Unraveling	Extremely Efficient
No Sealing Required	Low Operating Cost
Ease of Installation	Economical to Purchase



Nonwoven Fabric Types

Fluidized beds can be found in the bottoms of silos, trailers, railcars, ships, and barges. A wide variety of dry bulk powders are carried using this "Live Bottom" technology for emptying vessels and storage containers. This method is extremely efficient, has a low operating cost and is often the most economical to purchase and install.

► Polyveyor Needled Polyester

Polyveyor was specifically designed to be the ideal membrane for fluidized bed and air gravity conveyors. The special needled construction provides uniform and consistent air flow across the entire surface of the fabric. This in turn means maximum conveyor efficiency and output.

POLYVEYOR STYLES

- MODEL 1950 Low Permeability
- MODEL 1951 Medium Permeability

► High Temp Polyveyor / Kevlar

Kevlar fabric is needled onto a Polyveyor 1951 polyester base. This versatile fabric is rated for a temperature of 500°F continuous or 600°F intermittent.

POLYVEYOR / KEVLAR STYLES

- MODEL 5925 High Temp Polyveyor / Kevlar

BENEFITS OF THE NEEDLING PROCESS

Nearly sixteen inches of 100% polyester fibers are layered over a special scrim. These fibers are continually needled and compressed to form a smooth 1/4" material with uniform thickness and consistent airflow known as Polyveyor.

This material will not unravel when cut or perforated, so heat sealing is not required on cut edges. This not only adds to the ease of installation, but makes Polyveyor ideal for bends or other unusual shapes that are encountered.

When using Polyveyor, there is no need to stretch the fabric during installation because Polyveyor already has the proper permeability. Simply install Polyveyor taut over the air chamber and bolt it in place. The special scrim, constructed for lateral rigidity and superior bolt holding strength, minimizes the sag often found in other air permeable membranes. Finally, the thousands of pores needled into Polyveyor are so fine that product sifting down into the air chamber is minimized or eliminated.





Industries & Applications

- Cement
- Barite
- Alumina
- Flour
- Fly Ash
- Silica Sand
- Pumice
- Kaolin
- Resins
- Chemicals

Woven Fabric Types

► Solid Woven Polyester

We are a full service stocking distributor of the finest solid woven air permeable fabrics. These fabrics, which are engineered specifically for air gravity conveyors and fluidized beds, are carried in large inventories for fast delivery and dependable service to our customers. Three styles of woven polyester are available.

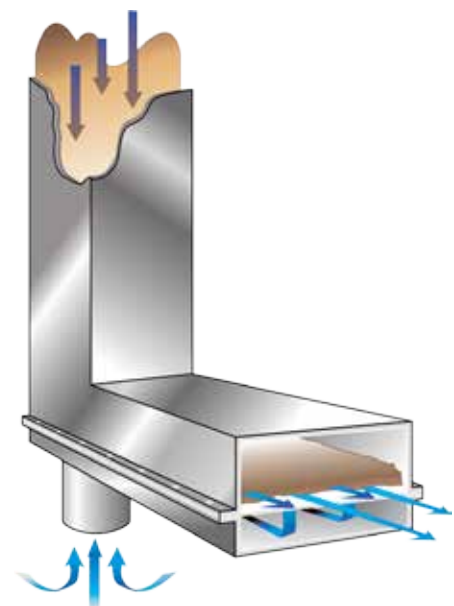
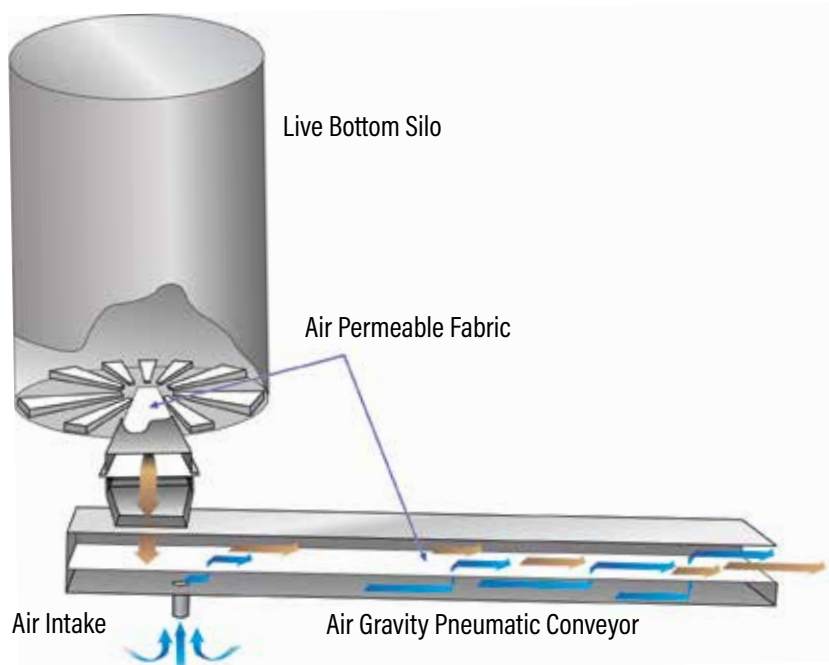
- ❶ **WPLP Low Permeability 100% Woven Polyester**
- ❷ **WPMP Medium Permeability 100% Woven Polyester**
- ❸ **WPHP High Permeability 100% Woven Polyester**

AMERICAN MADE WOVEN POLYESTER

Our woven polyester fabrics each have their own air permeable specification and provide the best material and construction available.

These solid woven fabrics are the best traditional style air gravity membranes on the market and are made of 100% spun polyester fibers. Multiple plies are interwoven for superior strength and abrasion resistance. They are constructed specifically for this application and have consistent / uniform airflow and excellent service life.

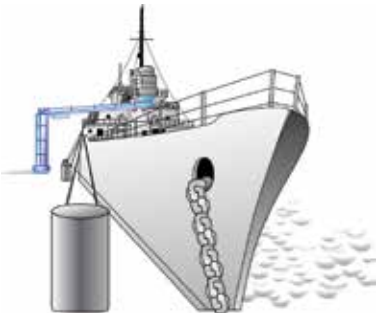
Whether it is an emergency situation or a scheduled maintenance procedure, we have the exact air permeable belt specification you need.



Air Permeable Fabric Specifications

Material	Composition	Description	Thickness	Weight PIW	Color	Permeability@1/2" Water Pressure	Temp. Range
Polyveyor 1950	Polyester	Needled	.250	.07	White	.5 CFM	-60° / 310°F
Polyveyor 1951	Polyester	Needled	.250	.055	White	1.5 CFM	-60° / 310°F
Polyveyor Hi-Heat	Kevlar/ Polyester	Needled	.280	.055	Yellow / White	1.5 CFM	Max 500°F 600°F intermittent
WearSlide LP High Abrasion	Polyester / Rubber	Needled	.250	.065	White	.5 CFM	-60 / 310°F
WearSlide HP High Abrasion	Polyester / Rubber	Needled	.250	.065	White	1.5 CFM	-60 / 310°F
Woven Polyester Low Permeability	Polyester	Interwoven	.24	.067	White	.5 CFM	-60° / 310°F
Woven Polyester Medium Permeability	Polyester	Interwoven	.26	.062	White	1.0 CFM	-60° / 310°F
Woven Polyester High Permeability	Polyester	Interwoven	.195	.048	White	1.9 CFM	-60° / 310°Ft

*Permeability Values: Cubic Feet / Minute / Square Feet



Also Available:
Woven Cotton Fabric for Air Gravity
Conveyor and Fluidized Beds.



4143 Rider Trail North | St. Louis, MO 63045
314-344-8500 | 800-727-2358 | Fax: 314-344-8511
beltservice.com | sales@beltservice.com

TEXAS
800-727-2358
Fax: 314-344-8511

SACRAMENTO
800-289-9251
Fax: 916-419-0173

PHILADELPHIA
800-777-1314
Fax: 215-638-7167

BOISE
800-423-4469
Fax: 208-343-8043

PORTLAND
800-347-9251
Fax: 503-285-5380

CHARLOTTE
800-849-2358
Fax: 704-949-2104

CANADA
877-210-7423
Fax: 905-565-9224

**BELTSERVICE
DE MÉXICO**
5-5362-0434
Fax: 5-5362-0261

**BELTSERVICE
MONTERREY**
81-1090-0006
Twitter@BeltServiceMty