

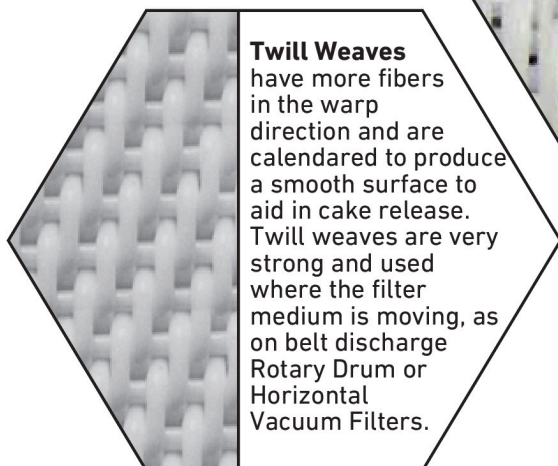
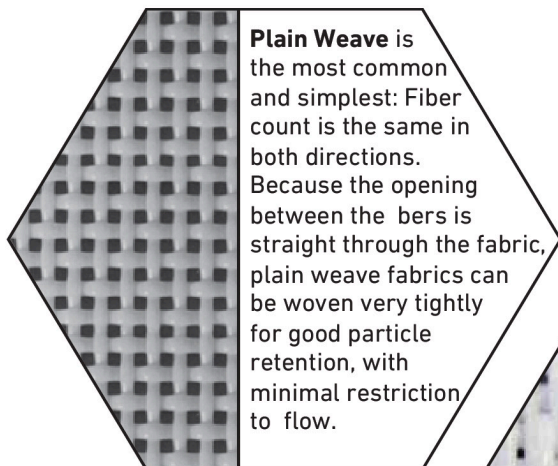
Rotary Drum and Horizontal Vacuum Filters

Komline Filter Media is a leading manufacturer of liquid-solid separation.

Filtration medium is essential of any filter. The filter medium shall provide minimal resistance to liquid flow, retain the full particle size distribution, ensure complete cake release, and resist blinding. Media selection is based on operating experience, production data, and laboratory filter leaf testing.



CUSTOMIZED FABRICS FOR YOUR FILTRATION NEEDS



Filter Leaf Testing

Filter performance is evaluated through leaf testing that simulates continuous operation and provides comparative yield and operating data. Testing is available in the K-S laboratory or on-site using customer test kits.

Customized Fabrics

Komline provides fabrics for all models of filtration equipment, including RDVF, Membrane Filter Press, or Belt Filter Press.

Types of Weaves

Various fiber types can be woven in many different patterns producing specific mechanical and filtration characteristics. The most successful in combining mechanical strength with proper filtration are plain, twill, and satin weaves.

ROTARY DRUM AND HORIZONTAL VACUUM FILTERS

A variety of belt closures, edge seals, and belt-tracking profiles are available for Rotary Drum and Horizontal Vacuum Filters. Heavy-duty envelope materials with stainless steel coil springs are compatible with most manufacturers' filters.

Chemical Type	Polypropylene	Nylon	Polyester	Teflon	Characteristics
Acids	Strong Concentration				Polypropylene - Attacked at elevated temperatures by nitric acid and chlorosulfuric acid. Polyester - Adversely affected by concentrated nitric, sulfuric and carbolic acids.
	Weak Concentration				
Base	Strong Concentration				Polypropylene: Poor resistance to sodium and potassium hydroxide at elevated temperatures. Nylon: Generally good chemical resistance; strong alkalis at elevated temperatures may affect HT-1 Nylon (Nomex).
	Weak Concentration				
Salt	Strong Concentration				Nylon - Fair to poor for most sodium salts.
	Weak Concentration				
Oxidizing	Strong Concentration				Polyester - Affected by most halogens.
	Weak Concentration				
Organic	Strong Concentration				
	Weak Concentration				

Chemical Resistance Key: 4. Excellent; 3. Good; 2. Fair; 1. Poor
Note: Temperature increases will decrease resistance to chemical attack. Increases in temperature may affect dimensional stability.



Stainless Steel Clipper with Press Flap



Pressure Lock Closure



PIP Edge



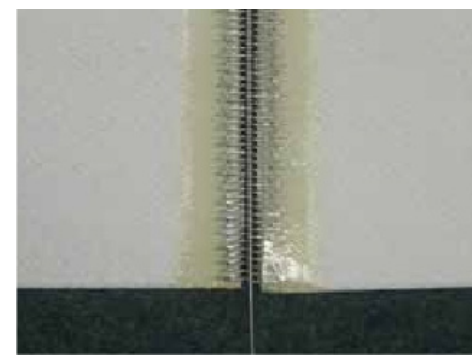
Stainless Steel Coil Spring Edge

Belt Filter Presses and Gravity Belt Thickeners

Komline Filter Media offers both seamed and seamless filter belts for belt filter presses.



Seamless Closure



Clipper Closure

Komline Filter Media is part of the Komline family of end-to-end separation technologies used by municipal water, agricultural, and manufacturing industries.

