

ES FIBERVISIONS™ SOFT BICO

The ESC SOFT Fiber Platform

The next generation bico fibers.

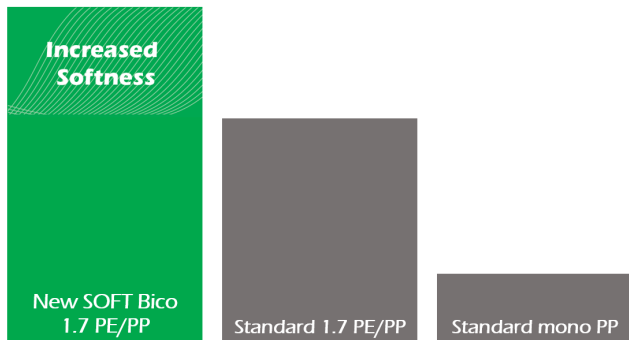
ES FIBERVISIONS has developed the next generation bi-component staple fibers to deliver superior softness into top sheet and cover stock applications.

The ES FIBERVISIONS new Soft Bico is based on polypropylene/polyethylene bicomponents fibers containing new chemistries to provide built-in softness.



Improved softness

The ESC SOFT bicomponent fibers will deliver valuable softness and hand feel to your fabric, with the use of new technologies and chemistries.



Softness benchmarking data (via panel test). The three samples illustrated are all 25gsm thermal calendered nonwoven samples, with a 100% composition.

What can the ESC SOFT bico fiber add to your product?

ES FIBERVISIONS ESC SOFT bico fibers are made of polypropylene and polyethylene with built-in new technologies to provide remarkable softness characteristics to your nonwoven.

Engineered to provide superior softness and hand feel.

Durable Hydrophilicity Properties

The ESC SOFT fibers are available with the known ES FIBERVISIONS durable finish chemistry providing good liquid handling properties.

Applications

ESC fiber can be successfully used in a variety of applications such as hygiene topsheet layers. The fibers can be formed 100% or in mix with other fibers in a card process and consolidated by thermal bonding or using spunlace technology.

The melting point difference, (130°C for polyethylene and 160°C for the polypropylene core) between the sheath and core polymers allows for good bonding from the sheath while the core remaining intact.

Optimum fiber properties are achieved by combining the physical properties of the fiber with our advanced finish technology. This gives outstanding liquid acquisition performance in the nonwoven.

ESC fibers are made from same polyolefine family allowing better waste re-use in the value chain process for the benefit of the environment.

Customized to Your Process

Fiber titer, cut length, crimp and lubrication are tailored to the needs of the application and of the customer to assure excellent process quality.

REQUEST A TRIAL FOR YOUR NEXT APPLICATION!

Contact us

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Performance profile of ES FIBERVISIONS bicomponent fibers

ES FIBERVISIONS™ has a broad experience with regard to the interrelationship between fiber properties. Under normal conditions, one change of fiber properties will affect several other parameters. We operate our own pilot facilities in major regions of the world and working with you we will design what you need.

The properties of our bicomponent fibers can be engineered by enforcing the fiber's native physical and chemical properties and adding the new functionality by means of additives (chemicals, botanicals, etc.), surface treatment and new or additional processes.

Scientific contributions, data collection from thousands of trial, and knowledge from our network of co-operation partners are of course available to customers when designing a new fiber. In this way our experience will benefit your development projects.