ES FIBERVISIONS

FiberVisions
An Indorama Ventures Company

DATA SHEET

ES FIBERVISIONS™ Fine ESC Fiber

PE/PP Bicomponent

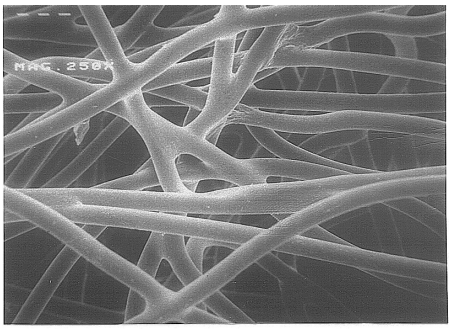
As part of *ES FIBERVISIONS* product range we offer bicomponent fibers in a broad range of fineness with a polyethylene sheath and a polypropylene core.
Our newest offering is a 1.3dtex variant that can be optimized for process and application depending on requirements. The combination of polyethylene and polypropylene in the ESC bicomponent fiber gives excellent softness, coverage and bonding with your choice of nonwoven converting process.

Key Benefits

- Superior Softness
- Excellent Bonding
- Good affinity to film for laminates
- Broad processing window

Polyethylene is well known in the industry for its softness and versatile ability to bond to various other materials.

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.

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.

ES FIBERVISIONS™ ESC fiber - commercially available in:

- 1.3 - 6.7 dtex
- Short-cut and Staple-cut
- Raw white, semi and full dull
- Hydrophillic
- Permanent Hydrophilic
- Hydrophobic

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 cooperation partners are of course available to customers when designing a new fiber. In this way;

Our experience will benefit your development project.

INDORAMA VENTURES

Contact information

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