

STAPLE FIBER

Maximum Hygiene & Comfort For A Healthier Eco-system

FENC[®] Airlof[™]

SUPERIOR DISPERSION SHORT CUT FIBERS FOR AIR-LAID PROCESS



FENC[®] Airlof[™]

Superior Dispersion Short Cut Fibers For Air-laid Process

Characteristics

- Good dispersion
- Good adhesion performance
- Uniform length and denier
- FDA approved

Application

-  Diapers
-  Sanitary Napkins
-  Wipers
-  Filters
-  Food packaging
-  Napkins & tablecloths

Specifications

Type	Denier (D)	Length (mm)
PE/PP	1.2, 1.5, 2, 3, 4, 6	6, 12, 18, 24
PE/PET	1.5, 2, 3, 4, 6, 9, 15	
PET		
Co-PET/PET	2, 3, 4, 6	
PLA	1.4, 2, 3, 4	



FENC® BOMAX®



FENC® BOMAX®

Bi-component low-melt sheath and polyester core to allow for simple processing self-bonding at specific temperature to allow for the fine tuning of softness and structure for a range of applications.

Characteristics

- Higher Bonding Strength
- Lower Energy Consumption
- Lower Environmental Contamination

Application

- Mattress
- Cushions
- Padding
- Quilts
- Filtration
- Facial Masks

Specifications

Denier (D)	Length (mm)
2, 4, 6, 15	24~102



110 or 180 °C



FENC[®] EZBond[™]



FENC[®] EZBond[™]

A modified low-melt thermoplastic PET sheath with normal PET core bi-component staple fiber which simultaneously allows easy thermal bonding while maintaining elastic structure.

Characteristics

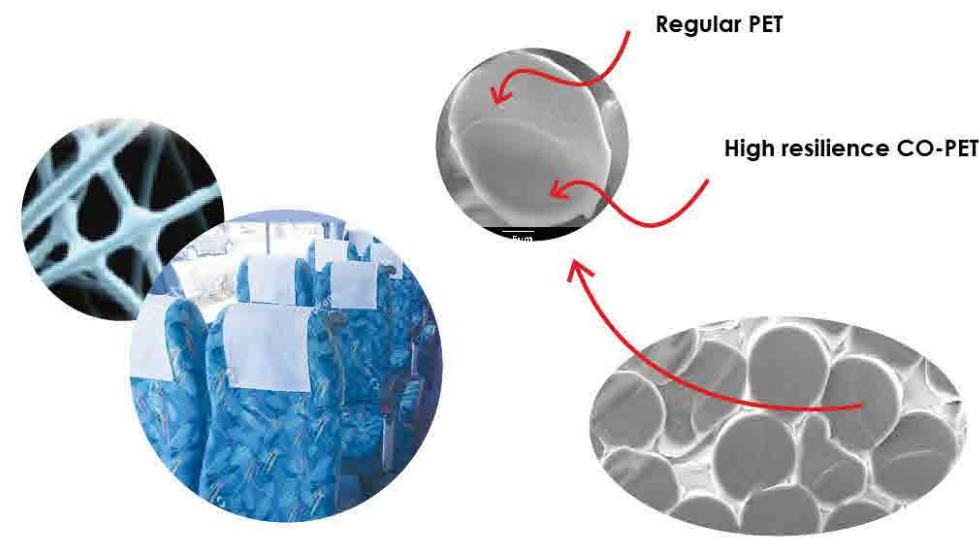
- Resilient bonding
- Softness
- Elastic

Application

- Mattress, Cushion
- Padding, Quilt
- Brassiere, Interlining

Specifications

Denier	Length
2, 4, 6 d	38, 51mm





FENC[®] Hycare[®]
SOLUTION FOR THE HIGHEST LEVELS OF HYGIENE AND COMFORT

FENC[®] Hycare[®]



The Ultimate Solution To The Best Hygiene

Hycare[®] includes several series of FENC fibers which are specifically formulated and manufactured to meet safety standards suitable for hygienic and medical applications. All of which can be additionally tailored with varied auxiliaries to attain a range of next to skin functionalities.

Characteristics

- Soft touch
- Skin friendly
- Excellent finish treatment
- Stable processing

Application



Food Packaging



Facial Mask



Filters



Sanitary Napkin



Diaper



Mask

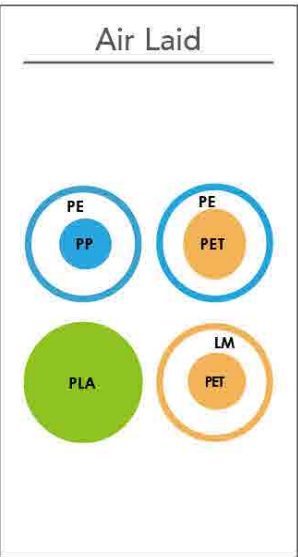
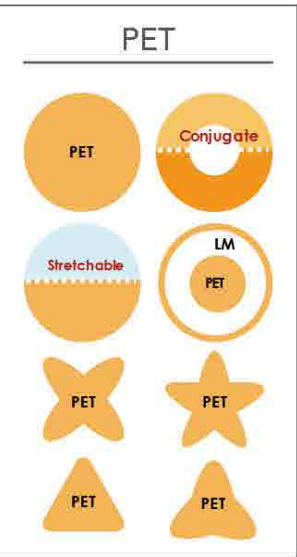
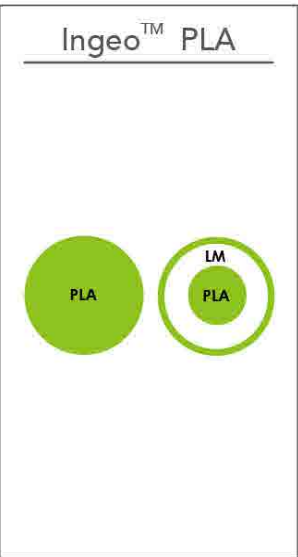
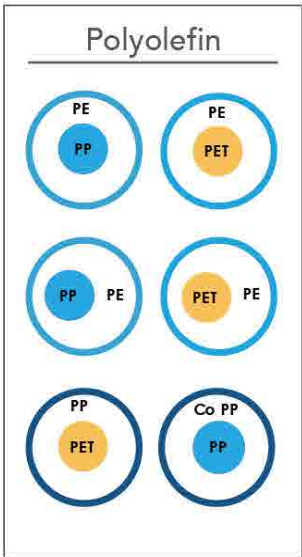


Wet Wipes



Medical Purposes

Composition and Structure:





FENC[®] MICROFIBER

SPLITTABLE



FENC[®] MICROFIBER

SPLITTABLE

Nylon 6/PET or PP/PET Co-PET segregated into 16 wedges which are released by specific water jet pressure of spun-lace process.



Characteristics

- High Specific Surface Area
- Improved Covering Power
- Excellent Drape
- Silky Appearance

Application

- Wipes
- Filtration
- Faux leather substrate
- Medical Gown
- Sound Insulation

Specifications

	Before Splitting	After Splitting
Denier (D)	2	0.125
Length (mm)	51	
	<div><div><p>Nylon or PP</p></div><div><p>PET</p></div></div>	

FENC[®] MICROFIBER

SEA-ISLAND



FENC[®] MICROFIBER

SEA-ISLAND

Nylon 6/PET bi-component fiber (Co-PET) is comprised of 37 individual microfibers that are released after alkaline treatment.

Characteristics

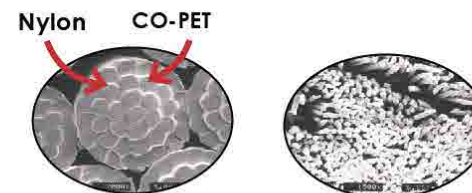
Suede-like hand
Improved Covering Power
Excellent Drape
Silky Appearance
High Specific Surface Area

Application

Synthetic Suede Material
Wipes, Filtration
Scrubs
Sound dampening

Specifications

	Before Treatment	After Treatment
Denier (D)	3	0.06 (Nylon part)
Length (mm)	38-102	



FENC[®] Insulate

3D Helical Insulating Fibers

FENC[®] Insulate

Down-Like Thermal Insulation Fibers

FENC[®] has created a fine denier pack of three dimensional (3D) helical staple fibers specifically engineered to biomimic both loft recovery and air space trapping properties of natural down.

FENC[®] Insulate may be further enhanced by functionalizing with odor management and or energy emission master batch additives.

Fine Denier 3D Hollow Conjugate Fibers



Functionalized Fibers

Characteristics

3D Helical structure
Lightweight, Soft
Natural loft
Insulating

Application

Nonwoven
Fiberfill
Fiberball

Functionalized

Nano Bamboo Charcoal Fiber (Deodorant)
FENC TopFresh™ Fiber (Deodorant, refreshable)
FENC Sunex™ Energy Emitting Fiber



FENC® TopHeat⁺

Moisture Management for Ultimate Breathable Sleep Comfort

FENC® TopHeat⁺

Moisture Management and Anti-Static Fiber for Fill Application

Characteristics

- Quickly absorbs moisture vapor and release as heat
- Quickly manages moisture by wicking away from micro-climate so as to maintain insulation
- Continuous absorption and wicking without saturation or overheating

