

FiberVisions® HY-AffiniT™

Next generation polypropylene fibers from FiberVisions. Engineered to provide outstanding hydrophilic properties with extreme durability combined with excellent softness.

SPECIAL ENGINEERED SURFACE CHEMISTRY

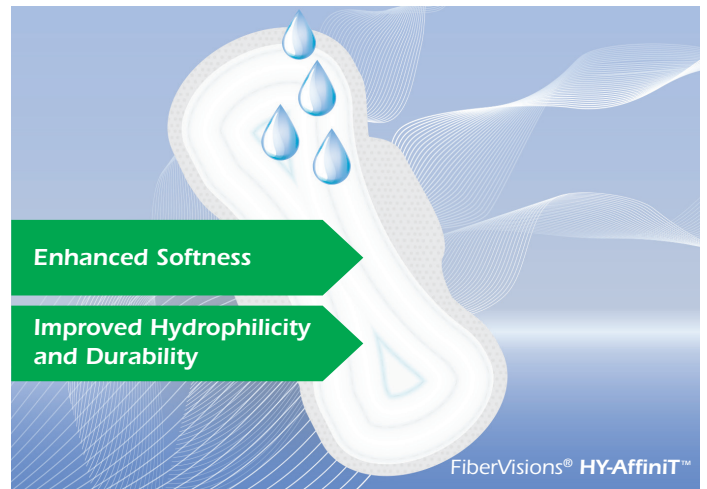
▶ Excellent softness and hand feel

UNIQUE HYDROPHILICITY

▶ Extremely durable hydrophilic properties

EXTREME DURABILITY

▶ Repeated hydrophilic properties that remain even after consolidation by spunlacing



The Value of HY-AffiniT™ PP

FiberVisions HY-AffiniT™ polypropylene fibers have been designed to provide a number of enhanced properties to nonwoven structures:

HY-AffiniT™ PP fibers can be used in a variety of applications such as hygiene topsheet layers or ADL structures. The fibers can be used on a 100% basis in a nonwoven or blended with other fibers in carding processes where the web can be consolidated by either thermal bonding or spunlace technologies.

HY-AffiniT™ Bond for thermal bonding applications; through-Air and/or thermal calendaring.

HY-AffiniT™ Lace for spunlace applications with a durability that remains after the spunlace process.

Improved Softness of PP Fibers

HY-AffiniT™ PP fibers can deliver improved softness and hand feel to fabrics.



Figure 1 Softness benchmarking data (via panel test) on a 25gsm, thermal calender-bonded nonwoven; composition: 100% HY-AffiniT™ PP versus standard PP and PE/PP bico.

Durable Hydrophilicity

HY-AffiniT™ PP fiber delivers durable hydrophilic properties together with the very soft hand feel.

This hydrophilicity remains even after undergoing spunlace treatment (HY-AffiniT™ Lace).

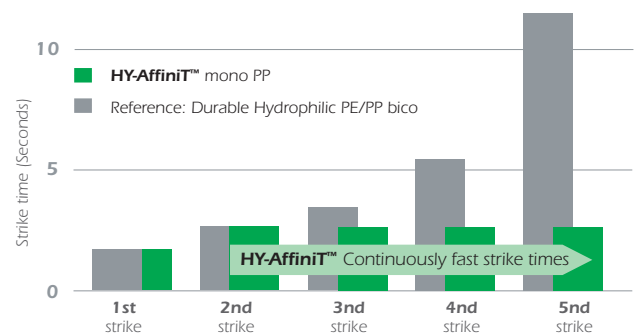


Figure 2 gives a comparison of the HY-AffiniT™ versus market standard durable hydrophilic PE/PP bico.

Soft and Durable Topsheet

HY-AffiniT™ PP fiber is developed with a unique softness for coverstock applications (diaper and femcare topsheet). The combination of softness and outstanding durable hydrophilic properties creates a strong foundation for the best-in-class topsheet.

ADL - Improved Acquisition

The strong hydrophilic properties of HY-AffiniT™ PP fiber can enhance the liquid properties of ADL structures.

Customized to Your Process

Fiber design can be tailored to individual customer requirements.

REQUEST A TRIAL FOR YOUR NEXT APPLICATION!

Contact us

USA, GEORGIA

FiberVisions
Tel.: +1 678 578 7240
fibervisions@fibervisions.com

ES FIBERVISIONS, Inc.
Tel.: +1 706 357 5139
es-fibervisions@fibervisions.dk

DENMARK

FiberVisions a/s
Tel.: +45 7994 2200
fibervisions@fibervisions.dk

ES FIBERVISIONS ApS
Tel.: +45 7994 2200
es-fibervisions@fibervisions.dk



HONG KONG

ES FIBERVISIONS HK Ltd.
Tel.: +852 2970 5555
es-fibervisions@fibervisions.dk

CHINA, SUZHOU

FiberVisions Textile Products, Ltd.
Tel.: +86 512 6823 1099
fvsuzhou@fibervisions.com

JAPAN

ES FIBERVISIONS Co., Ltd.
Tel.: +81-6-6441-3307
es-fibervisions@fibervisions.dk



Performance profile of polypropylene staple fibers

FiberVisions fibers have a number of advantages over other man-made fiber types:

Density

The density of polypropylene is 50% lower than polyester and 60% lower than viscose fibers. This means that lightweight fabrics can be made with excellent bulk and cover from lower denier yarns than from other fiber types.

Comfortable

Polypropylene is a very comfortable and soft fiber. It enables non-wovens with high extensibility, good drapeability and it has excellent resistance to static build-up.

Insulation

Polypropylene has the lowest conductivity of all textile fibers, and it absorbs no moisture.

Resistance

Polypropylene is inert to acids, alkalis and other chemicals. It is resistant to rot, mildew and bacteria. Polypropylene fiber is highly resistant to abrasion and has a toughness superior to most fibers.

Technical Service

FiberVisions believes in offering extensive technical service to its customers. This includes fiber innovation programs, exclusive fiber development and fiber quality enhancements.