

Kelheim Fibres

**DANUFIL**
making the difference

VILOFT[®]



textile specialities



fast, flexible, innovative

Kelheim Fibres GmbH is one of the world's leading producers of viscose speciality fibres. The plant in Kelheim, Germany couples innovative technology with technical expertise and outstanding customer service.

Around 75,000 tonnes of fibres are engineered, manufactured and tested every year to service our two core product areas:

- Fibres for Textile Specialities
- Fibres for the Nonwovens and Hygiene sectors



world-class production

Our high-quality fibres are exported to 43 countries on 5 continents. We build and encourage development partnerships with our customers using the pilot facilities available in Kelheim to create customized fibre solutions. From hi-tech clothing, to hygiene products and technical products, these fibres are trusted by manufacturers for a hugely diverse range of applications.




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perfect products of natural origin

Our products have their origins in managed plantations, where controlled cultivation and sustainable management combine to produce an ecologically sound raw material: eucalyptus trees. Within a few years these forest giants reach the optimum size and are harvested and processed to manufacture pure cellulose.

In Kelheim we process this cellulose - which carries the highly regarded seal of the Forest Stewardship Council - to produce high quality viscose speciality fibres.

Purity and absorbency are natural properties of viscose fibres - during the manufacturing process the natural cellulose in wood pulp is converted to a fibre which is flexible and soft to the touch, finally delivering a product which is engineered to meet customer needs yet natural in origin.





Our viscose fibres are 100 % biodegradable and can therefore be disposed of in an environmentally friendly manner at the end of their useful life and help meet growing consumer concerns about responsible action in manufacturing and the environmental impact of products, as well as helping to preserve the environment for future generations.

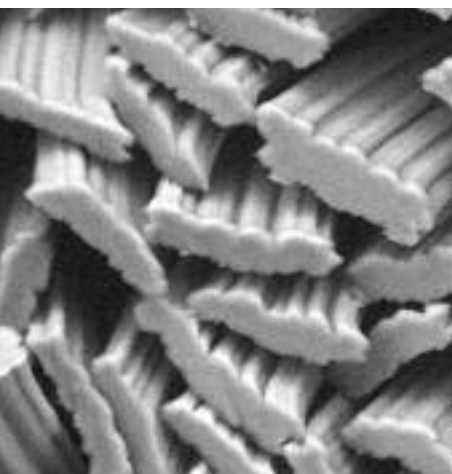
At the same time our viscose fibres are distinguished by outstanding quality and are used to produce easy-care fabrics which are soft to the touch and comfortable to wear. Soft, flowing viscose fabrics in brilliant colours are the perfect material for modern, high-quality fashions.

Viscose fibre production in Kelheim meets all local and EU requirements and is ISO 9001:2000 certified.



VILOFT®

a natural source of inspiration



Viloft has an engineered flat cross-section which traps pockets of air to protect and insulate against the cold. Besides the excellent thermal properties, this unique cross-section also gives fabrics an extremely soft handle for superb next-to-skin comfort. Its unique crenellated surface helps to achieve a technically advanced capillary action. This performance draws moisture away from the skin and through the fabric.

Viloft offers outstanding benefits for clothing & home textiles:

- breathability
- softness
- exceptional moisture management and wickability
- thermal performance
- anti-static properties
- lightweight properties
- easy care properties





DANUFIL® optical white & spundyed – For brilliant whiteness and colors

Danufil® optical white: for brilliant whiteness

Danufil optical white is the first viscose fibre available with optical brighteners added in the spinning process. This delivers many advantages, such as dazzling whites, excellent fastness and cost reduction in dyeing and finishing.

Danufil optical white converts parts of the invisible UV-spectrum into visible light, lending a brighter, more brilliant whiteness to fibre and fabrics.



Danufil® spundyed: for lasting colour and brilliance

Danufil spundyed is a pigmented viscose fibre perfectly suited for products in which lasting colour and brilliance is required, such as fashionable clothing, corporate clothing, home textiles and upholstery fabrics.

Danufil fibres deliver quality, reliability and consistency to meet the specific needs of each product and process. Our shade card offers a range of standard colours and custom colours can be matched upon request.





DANUFIL[®] tow – For high quality in flock



Danufil is the world-class branded fibre ideally suited for the flocking of textiles and other substrates. It is renowned for its consistent high quality and guarantees results which clearly differentiate your flock products from others!

Choose Danufil for branded quality without compromise:

- excellent dyeing properties
- luxury brightness
- ease of processing
- soft, distinctive handle

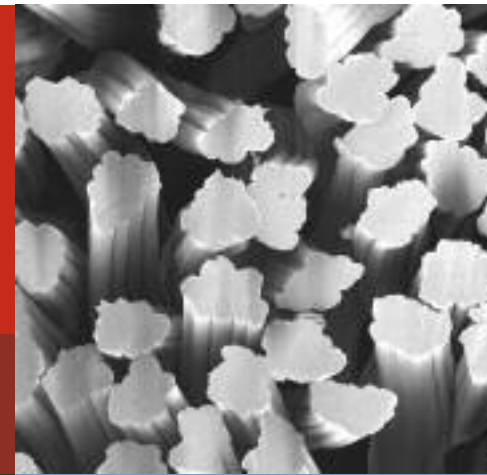
Danufil viscose fibres are distinguished by excellent physical fibre properties and are engineered to meet the specific needs of each process and product.





DANUFIL® stretch-break tow – For fine worsted yarns

Danufil KTT is a continuous viscose filament tow with a round lobed fibre cross-section. The tow is suitable for the manufacture of slivers on stretch-breaking machines of various makers in the tow-to-top process. Yarns and finished products made from Danufil KTT are especially distinguished by high volume, soft touch and distinctive lustre.

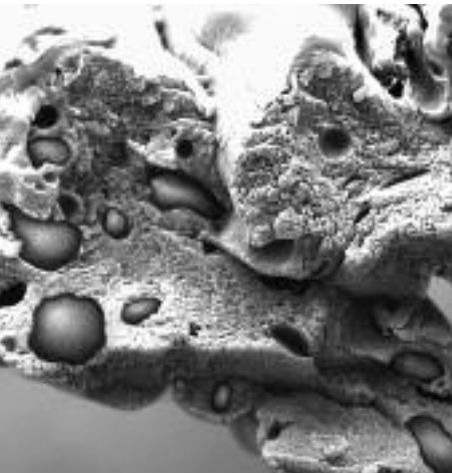


The stretch broken tow is subsequently spun on the worsted system in 100% or in blends with all natural and manmade fibres for weaving, tapestry yarns and hand and machine knitting yarns.





the world's first viscose fibre with Outlast® technology



This new fiber offers all of the benefits of viscose such as soft, fine feel - similar to cotton or silk - the ability to absorb moisture and excellent hygienic properties while also providing Outlast's temperature-buffering capability for extreme comfort.

Outlast fibres contain patented micro-encapsulated phase-change materials, 'Thermocules', which store, absorb and release heat.

This new viscose fibre is perfectly suited for various clothing applications, such as intimate apparel, knitwear, women's wear, business shirts, blouses and pants.

Outlast Viscose will also enhance bedspreads, blankets, sheets, mattress ticking and other home textiles.

... not too hot

... not too cold

... just right™





fast, flexible, innovative





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