



## PROCESSABILITY ON A PAPER MACHINE

Diameter in $\mu\text{m}$ (Polyester)	LENGTH / DIAMETER RATIO			
	3 mm	6 mm	9 mm	12 mm
<b>5.3</b> (0.3 dtex)	566:1	1132:1	1698:1	2264:1
<b>7.5</b> (0.6 dtex)	800:1	400:1	1200:1	1600:1
<b>12.5</b> (1.7 dtex)	240:1	480:1	720:1	960:1
<b>17.5</b> (3.3 dtex)	171:1	343:1	514:1	686:1
<b>24.9</b> (6.7 dtex)	120:1	241:1	361:1	482:1
<b>39.7</b> (17.0 dtex)	76:1	151:1	227:1	302:1

For more detailed information, please get in touch with our Sales-Team:

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## Nega-Stat® ANTISTATIC YARNS FOR FILTER APPLICATIONS -

### Nega-Stat® P190

Nega-Stat® P190 is a fine filament bicomponent yarn. Each filament has a unique, patented, trilobal, conductive core that is completely encased in a polyester sheath.

Nega-Stat® P190 has been designed to provide optimum antistatic protection for both grounded and ungrounded applications at any time, depending on the specification of the intended use. This is ensured by the unique, trilobal, conductive core. The polyester outer cover provides excellent resistance to wear, washing, sterilization and chemical stress.

### Nega-Stat® P210

Nega-Stat® P210 is a fine filament bicomponent yarn made with a conductive trilobal carbon core and is a refinement of the unique, patented, trilobal carbon core of Nega-Stat® P190. The carbon core is embedded in polyester so that it has surface contact to ensure surface conductivity.

Nega-Stat® P210 is designed to provide optimum static dissipation in end products and applications where surface resistance and surface conductivity are required parameters.



ESD  
EN 61340



EN 1149-5  
GOST REN 1149-5



Tested for harmful substances.  
www.oeko-tex.com/standard100

## SUSTAINABILITY AS A BUSINESS MODEL - SINCE 1898

When William Barnet founded his first textile mill in Albany, NY in 1898, to make "Shoddy," a successor product derived from the remains of wool production, he probably did not realize that he was building his business on an idea that today is called recycling. Identifying and utilizing the potential of different materials by either changing the actual physical form of the by-product or molding the material into another product is one of the core competences of our company.

## WE CAN ALSO BE YOUR FIRST CHOICE SUPPLIER

In addition to recycling and upcycling, Barnet is also a manufacturer of 1st choice raw materials, in which we ensure steady and above all error-free production processes with reliable quality. Constant checks by our quality management in the test laboratory always comply with the highest standards and the specifications of our customers.



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# FIBERS for FILTRATION

Recycled High Performance Fibers  
Viscose Shortcut Fibers  
Microfibers for Filtration



# Partner for the Filtration Industry

For many years we have been supplying the textile and filter industry with our fibers for filtration. We are continuously expanding this product segment to meet our customers' specific needs.

You can choose from our following range of products for the Filtration Industry.

## HIGH PERFORMANCE:

Sustainable, recycled high performance fibers:

PARA-ARAMID	PPS	CARBON
META-ARAMID	PAN	OPAN

Custom-made quality and product specification

# Additional Products:

## VISCOSE SHORTCUT FIBERS:

- Suitable for paper / wetlaid nonwovens
- Available in different deniers and cut lengths
- Food Approval (FDA, BfR)
- FSC® Certified (FSC® C151532)

## MICROFIBERS FOR FILTRATION:

- Staple and shortcut fibers
- From 0.3 dtex (Nylon 0.6 dtex)
- Polyester and Nylon
- Suitable for textile and paper applications

# Specialist's Support

Many hi-tech materials require a specific preparation process for which not only the technical possibilities but also the relevant know-how are required. At BARNET, we combine our experience with the necessary equipment for the production of customized fibers to the highest quality standards.

Our specialists can help to define the right raw material at an early stage during product development. Taking into account the clearly defined specifications and economic aspects, it is also possible to find alternatives that meet all the requirements, but have not yet made it to the focus of development.



## FINENESS

Fineness (dtex)	FIBER DIAMETER (µm)			
	PET (Polyester)	PA (Polyamide)	PP (Polypropylene)	Para-Aramid
0.3	5.3	5.8	6.5	5.1
0.6	7.5	5.8	9.2	7.3
1.1	10.1	11.1	12.4	9.8
1.7	12.5	13.8	15.4	12.2
3.3	17.5	19.2	21.5	17.0
6.7	24.9	27.4	30.7	24.3
12.0	33.3	36.7	41.0	32.5
17.0	39.7	43.6	48.8	38.7