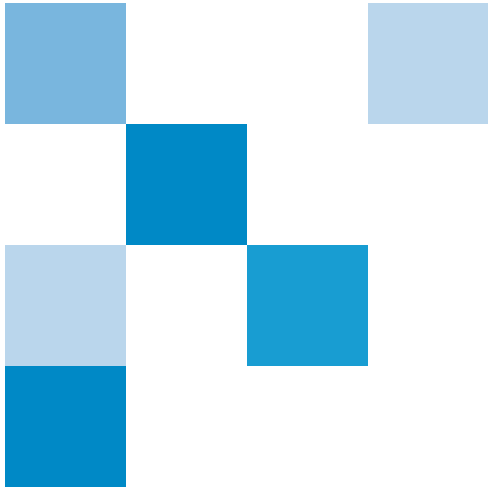
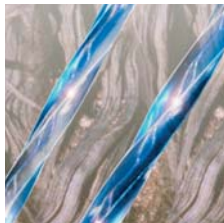
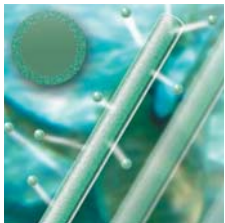
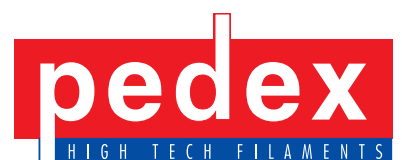




- Standard Toothbrush Filaments
- Innovative Toothbrush Filaments
- Personal Care Filaments



## STANDARD AND HIGH TECH DENTAL CARE & PERSONAL CARE FILAMENTS



# PEDEX FILAMENTS

## PEDEX THE SPECIALIST FOR FILAMENTS

Pedex produces the complete range of dental care filaments made from Nylon and other polymers.

Using ultra-modern production equipment for standard and innovative filaments also with two or more components. Customized products can be supplied punctually and with constant top quality.

Pedex is extremely proud of its significant number of innovative filaments and especially successful with two or multicomponent technology. A lot of national and international patents protect the use of Pedex new innovations and technologies.

A small extract of the large number of filaments:

- Medex S Filaments
- Wear Indicator Filaments
- Spiral Filaments
- Structure Filaments
- Rubber Soft Filaments
- Whitening Filaments
- Antibacterial Filaments

Pedex today is said to be the most innovative filament producer worldwide with modern laboratory equipment, safeguards quality and environmentally friendly production.

The most modern manufacturing equipment secures quality, environmental compatibility and hygiene during production of standard and innovative filaments.

Pedex can ensure its capability and standards because of existing quality management systems and internal and external audits (the company hold DIN ISO 9001: 2000 and 14001 certificates.)



## LENZING PLASTICS - AT HOME ON THE WORLD MARKET

Lenzing Plastics is one of the worlds leading producers of polyolefin and fluoropolymer products. Our main competence lies in the mono-axial stretching of polymers, a technology which allows the production of films and tapes with extremely high tensile strength. The company is divided into three fields:

### Thermoplastics:

Lenzing Plastics concentrates on the production of films, fabrics, tapes and multi-layer foil laminates.

### Polytetrafluoroethylene (PTFE):

Here specialized yarns, fibers and films are produced out of the high-tech material and are offered in a comprehensive and flexible range of products.

### Filaments & Fibers:

Innovative products in the fields of dental care, monofilaments as well as bristles and abrasives are made in the filaments division.

Lenzing Plastics is a very dynamic company which concentrates on the development of niche solutions to highest specifications. Our company policy is short development duration, individual and personal communication with the customer and flexibility.

Pedex is a brand of Lenzing Plastics GmbH.





## MEDEX FILAMENTS

### Product Description

Pedex produces the complete range of Dental Care filaments made from Nylon. These filaments are used for toothbrushes and cosmetic applications because they offer terrific features and are harmless to biology.

- High quality filaments
- Improved usage attributes due to a unique stabilizing process
- Straight in the brush, less splay

### Raw Materials

Nylon 6.12 (Medex), (Nylon 6.10)

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,08 mm – 0,40 mm (.003" - .016")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping, spooled

## COLOR MIX FILAMENTS

### Product Description

- A defined mix of colored filaments with a new mixing process
- Using all Pantone colors, mixtures in random ratios can be composed individually

### Raw Materials

Nylon 6.6, 6.10, 6.12  
Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,08 mm – 0,30 mm (.003" - .012")  
Special diameters on request

### Filament Cross Section

Round or profiled

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## DENTEX FILAMENTS

### Product Description

Pedex produces the complete range of Dental Care filaments made from Polyester. These filaments are used for toothbrushes and cosmetic applications because they offer terrific features and are harmless to biology.

- High quality filaments
- Improved usage attributes due to a unique stabilizing process
- Straight in the brush, less splay

### Raw Materials

Polyester PBT (Dentex), (PTT)

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,08 mm – 0,40 mm (.003" - .016")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping, spooled

## NaF APPLICATOR FILAMENTS

### Product Description

- Filaments containing Sodium Fluoride (NaF)
- While brushing, fluoride is being released slowly, replenishing the natural fluoride within the tooth enamel and aiding in remineralization
- Preventive action

### Raw Materials

Nylon 6.12

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,28 mm (.006" - .011")  
Special diameters on request

### Filament Cross Section

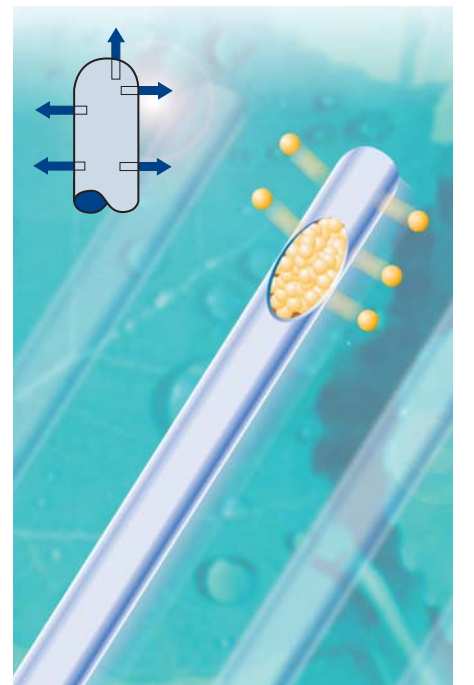
Round or profiled

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping





## FINGER FILAMENTS (DEFINED FLAGGED)

### Product Description

- Filament ends can be split into four uniform fingers
- Defined separation to a specific depth enables a stabilized hardness grade of the brush
- Multiplied effect of the filament
- Gentle, sensitive cleaning and massaging
- Filament fingers can be rounded perfectly preventing damage to surface to be cleaned

### Raw Materials

Nylon 6.12

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,125 mm – 0,30 mm (.005" - .012"), special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## MEDEX CH FILAMENTS

### Product Description

This two component filament made of Nylon 6.6 with it's superior bend recovery properties in addition to Nylon 6.12 with it's outstanding low moisture absorption. Low cost filament offering approx. 20 % price advantage compared to standard Medex 6.12.

### Raw Materials

Core-Nylon 6.6  
Sheath-Nylon 6.12

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## STANDARD WEAR INDICATOR FILAMENTS

### Product Description

- Two component filament with light-colored core and darker colored sheath
- Repeated brushing results in color changes of the upper filament area, demonstrating wear indication
- Composition can be coordinated regarding service life

### Raw Materials

Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available  
The core must be higher than the sheath

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

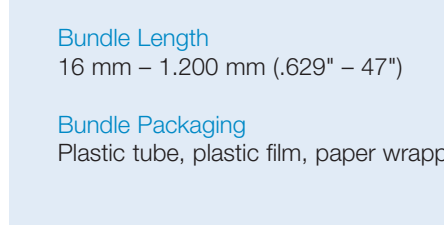
Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping



## SCALE WEAR INDICATOR FILAMENTS

### Product Description

- Two component filament with light-colored core and darker colored thin sheath
- Repeated brushing results in color changes of the upper filament area
- Scale indicates when brush needs to be replaced
- Markable with a laser

### Raw Materials

Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

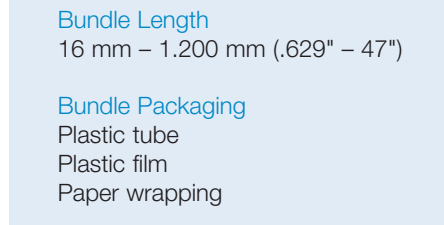
Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping





## RUBBER SOFT FILAMENTS

### Product Description

- Co-extruded filament, core made of PBT and sheath made of TPE
- Higher cleaning action, up to 38 % better than standard filaments

### Raw Materials

Core made of Polyester PBT  
Sheath made of TPE

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## RUBBER SPECKLES FILAMENTS

### Product Description

- Structured surface with super soft rubber particles
- The super soft rubber particles are embedded firmly into the base material
- The super soft rubber particles deterge like an eraser
- Magnificent for the outer line of a toothbrush

### Raw Materials

Nylon 6.12, other materials upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## RUBBER STRUCTURE FILAMENTS

### Product Description

- Filament with core made of Polyester PBT with structured elastomer sheath
- Higher cleaning action

### Raw Materials

Core made of Polyester PBT  
Sheath made of structured TPE

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## ROUND TWO COMPONENT FILAMENTS

### Product Description

- Round two component filament
- Core-sheath type
- Core and sheath may be composed of different materials resulting in combinations of material advantages
- Core and sheath may be of different colors
- The core component becomes visible when grinding down the tip

### Raw Materials

Nylon 6.6, 6.12, Polyester PBT, other materials available upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

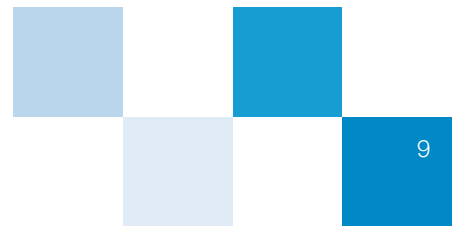
Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping





## TWO COMPONENT SIDE BY SIDE FILAMENTS

### Product Description

- Round two component filament with a lateral band
- The lateral band and the remaining area may be composed of different materials or different colors
- Visualization as an option to show product advantages e.g. active substances

### Raw Materials

Nylon 6.12, Polyester PBT, other materials available upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,10 mm – 0,30 mm (.004" - .012")  
Special diameters on request

### Filament Cross Section

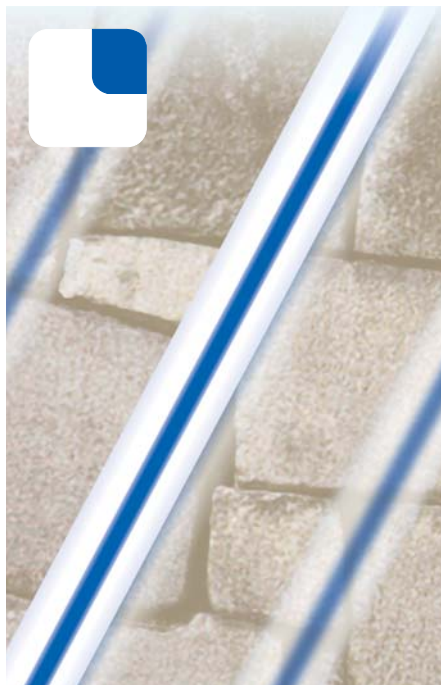
Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## STRIPED RECTANGULAR TWO COMPONENT FILAMENTS

### Product Description

- Square filament with a lateral band along the filament edge
- The lateral band and the remaining filament are composed of 2 different colors or materials
- Visualizing product advantages e.g. active substances
- Edges with improved cleaning effect

### Raw Materials

Nylon 6.12, Polyester PBT, other materials available upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,10 mm – 0,30 mm (.004" - .012"), special diameters on request

### Filament Cross Section

Square

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## STRUCTURE FILAMENTS

### Product Description

- Structure – filament made of 100 % synthetic material
- Structured surface with proven superior cleaning results
- Different colored particles help visualize the structure
- The particles are embedded firmly into the base material

### Raw Materials

Nylon 6.12, other materials upon request

### Colors

White or natural with blue particles, other colors on request

### Diameters

0,18 mm – 0,30 mm (.007" - .012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## TRILOBAL FILAMENTS

### Product Description

- 1-component filament with a triangular cross-section and three cleaning edges
- Clean with more efficiency
- Clean deeper between the teeth
- Clean below the gum line
- Gives a soft feeling during the brushing
- Gives a glistening look, especially translucent colors

### Raw Materials

Nylon 6.12, Polyester PBT  
Nylon 6.10, PTT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012"), special diameters on request

### Filament Cross Section

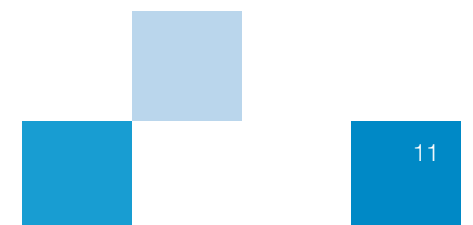
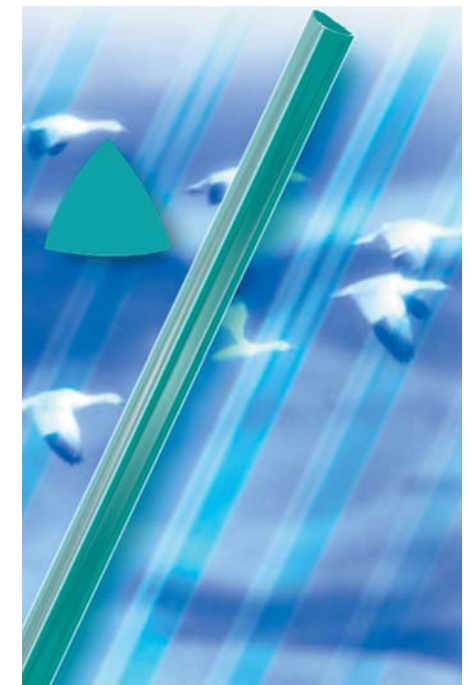
Trilobal

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping





## SPIRAL FILAMENTS

### Product Description

- Twisted 2-component filaments with square cross-section, with or without different colored edge
- Increased cleaning effect
- Good visualization with the help of different colored edges

### Raw Materials

Nylon 6.12  
Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Square

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping

## SPIRAL MIX FILAMENTS

### Product Description

- Twisted 2-component filaments with square cross-section, with or without different colored edge
- Increased cleaning effect
- Good visualization with the help of different colored edges
- Combines the good visualization of the Spiral Filaments with the economy-priced Medex Filaments
- The color and the mixture ratio can be chosen by the customer

### Raw Materials

Nylon 6.12, Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012"), special diameters on request

### Filament Cross Section

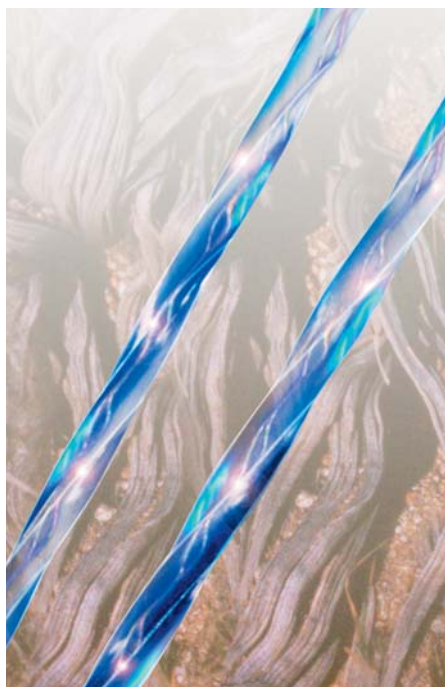
Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping



## SPIRAL MAGIC FILAMENTS

### Product Description

- Twisted 2-component filaments with square cross-section, with or without different colored edge
- Increased cleaning effect
- Good visualization with the help of different colored edges
- Gives a glistening look through the transparent body with an colored edge

### Raw Materials

Nylon 6.12, Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping

## SPIRAL MAGIC MIX FILAMENTS

### Product Description

- Twisted 2-component filaments with square cross-section, with or without different colored edge
- Increased cleaning effect
- Good visualization with the help of different colored edges
- Gives a glistening look through the transparent body with an colored edge
- Combines the excellent unique look of the Spiral Magic Filaments with the economy-priced Medex Filaments
- The color and the mixture ratio can be chosen by the customer

### Raw Materials

Nylon 6.12, Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012"), special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping





## TWISTED TRILOBAL FILAMENTS

### Product Description

- Twisted 1-component filament with a triangular cross-section and three cleaning edges
- Gives a glistening look
- Clean with more efficiency
- Gives a soft feeling during the brushing

### Raw Materials

Nylon 6.12, Polyester PBT  
Other materials available upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

Trilobal

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping

## SENSITIVE STRUCTURE FILAMENTS

### Product Description

- Round two component filament
- Filaments with fine structured surface without fill materials
- Improved gentle cleaning effect
- Eliminates deposits of dirt and bacteria

### Raw Materials

Nylon 6.12  
Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

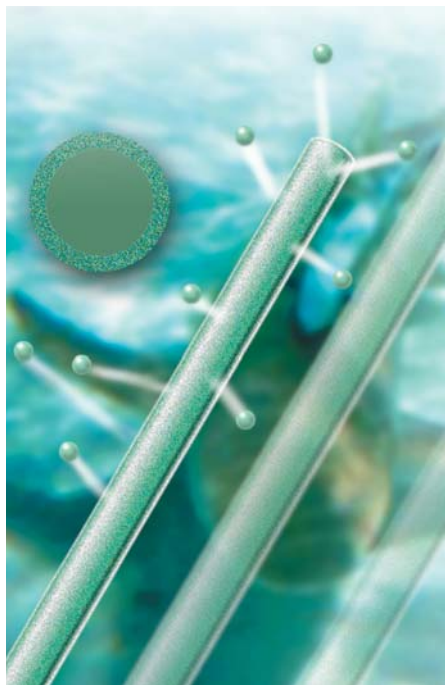
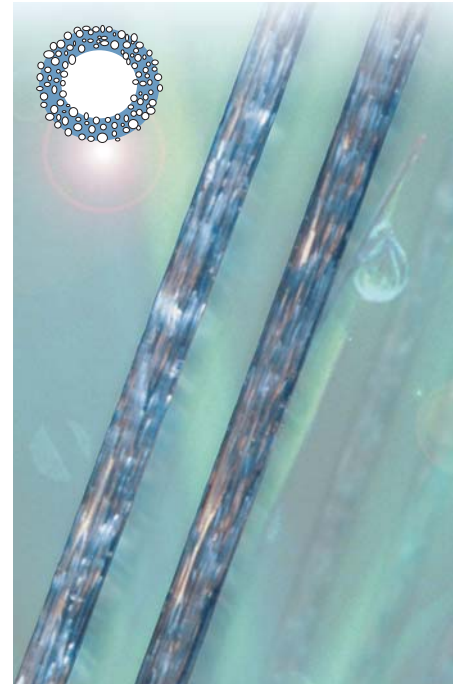
Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping



## WHITENING FILAMENTS

### Product Description

Two component filament which yields an effective plaque and stain removal result. The filament may contain Sodium Fluoride (NaF). Through use the NaF is slowly released, replenishing the natural fluoride within the tooth enamel assisting in remineralization.

### Raw Materials

Core Nylon 6.12  
Sheath-Nylon 6.12 + CaCO<sub>3</sub> (+ NaF)

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012"), special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping

## SHORT WAVE FILAMENTS

### Product Description

- Small wave type elevations for more effective massaging and cleaning
- Bundled, they create cavities where for instance cleaning gels can be stored more effectively
- The cavities enable a faster drying of filaments, therefore reducing the accumulation of dirt, mold and bacteria

### Raw Materials

Nylon 6.6, Nylon 6.10, Nylon 6.12  
Polyester PBT, PTT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,08 mm – 0,30 mm (.003" - .012")  
Special diameters on request

### Filament Cross Section

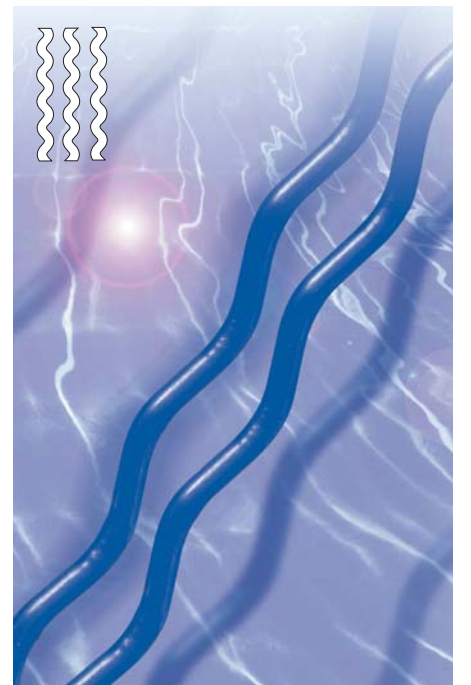
Round and profiled

### Bundle Length

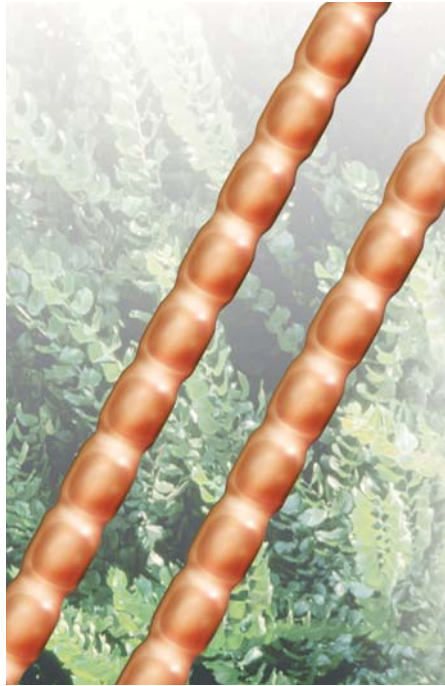
16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube, plastic film, paper wrapping







## TEXTURE FILAMENTS

### Product Description

- Textured filaments with small cavities
- The texture provides a quick and intensive cleaning
- Increased pick up and controlled release of liquids

### Raw Materials

Nylon 6.6, Nylon 6.12, Nylon 6.10  
Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 mm – 0,30 mm (.006" - .012")  
Special diameters on request

### Filament Cross Section

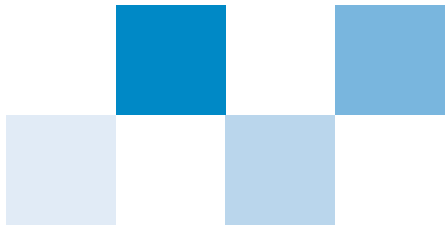
Round and profiled

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## NANOSILVER FILAMENTS

### Product Description

- Antibacterial filaments, free of harmful chemical substances, contains Nano-Silver powder

### Raw Materials

Nylon 6.12, Nylon 6.6, Nylon 6.10

### Colors

Nearly all colors of the 2,820 Pantone colors available except for transparent

### Diameters

0,15 – 0,30 mm (.006" - .0012")  
Special diameters on request

### Filament Cross Section

Round

### Bundle Length

16 mm – 1200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## PX - ANTIBACTERIAL FILAMENTS

### Product Description

- Antibacterial filaments, free of harmful chemical substances, contains inorganic silver zeolite

### Raw Materials

Nylon 6.6, Nylon 6.12, Nylon 6.10  
Polyester PBT

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,08 mm – 0,30 mm (.003" - .012")  
Special diameters on request

### Filament Cross Section

Round or profiled

### Bundle Length

16 mm – 1.200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping



## TRILOBAL RUBBER SOFT FILAMENTS

### Product Description

- Co-extruded filament, core made of PBT and sheath made of TPE
- Higher cleaning action

### Raw Materials

Polyester PBT  
Thermoplastic Elastomer TPE

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,15 – 0,30 mm (.006" - .0012")  
Special diameters on request

### Filament Cross Section

Trilobal

### Bundle Length

16 mm – 1200 mm (.629" – 47")

### Bundle Packaging

Plastic tube  
Plastic film  
Paper wrapping





## PERSONAL CARE FILAMENTS (MASCARA AND NAIL BRUSH)

### Product Description

- The outstanding performance of Pedex Cosmetic Filaments are the base for any differentiation
- The advantages which come along with innovative filaments are transferable to Pedex Cosmetic Filaments

### Raw Materials

Nylon 6.12, Polyester PBT  
Other materials available upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,065 mm – 0,15 mm (.2,5" - .006")  
Special diameters on request

### Filament Cross Section

Round or other

### Bundle Length

16 mm – 1.200 mm (.629" – 47")  
Or spooled, number of filaments is selectable

### Bundle Packaging

Plastic tube, plastic film, paper wrapping, spooled



## INTERDENTAL FILAMENTS

### Product Description

- The outstanding performance of Medex S Filaments, which are well known in the dental care business are the base for the Interdental Filaments
- Almost all the innovative Filaments, including PX-Antibacterial Filaments, are available for Interdental applications

### Raw Materials

Nylon 6.12, Polyester PBT  
Other materials available upon request

### Colors

All approved colors of the 2,820 Pantone colors available

### Diameters

0,065 mm – 0,30 mm (.2,5" - .012")  
Special diameters on request

### Filament Cross Section

Round or other

### Bundle Length

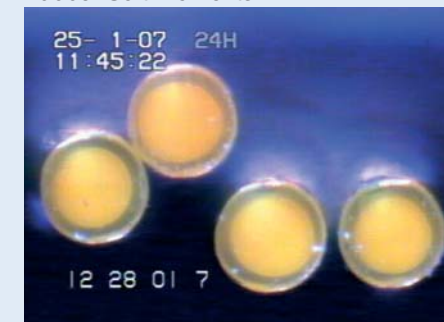
16 mm – 1.200 mm (.629" – 47")  
Or spooled, number of filaments is selectable

### Bundle Packaging

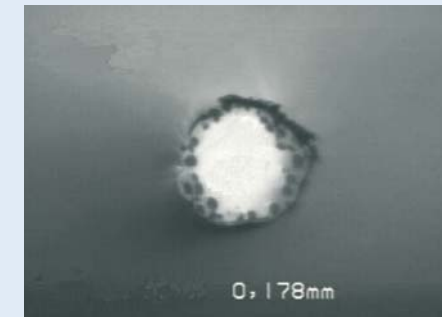
Plastic tube, plastic film, paper wrapping, spooled



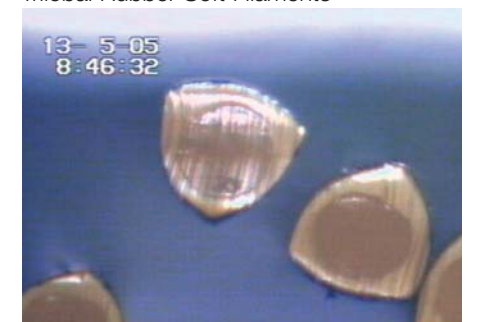
Rubber Soft Filaments



Sensitive Structure Filaments



Trilobal Rubber Soft Filaments



Spiral Filaments

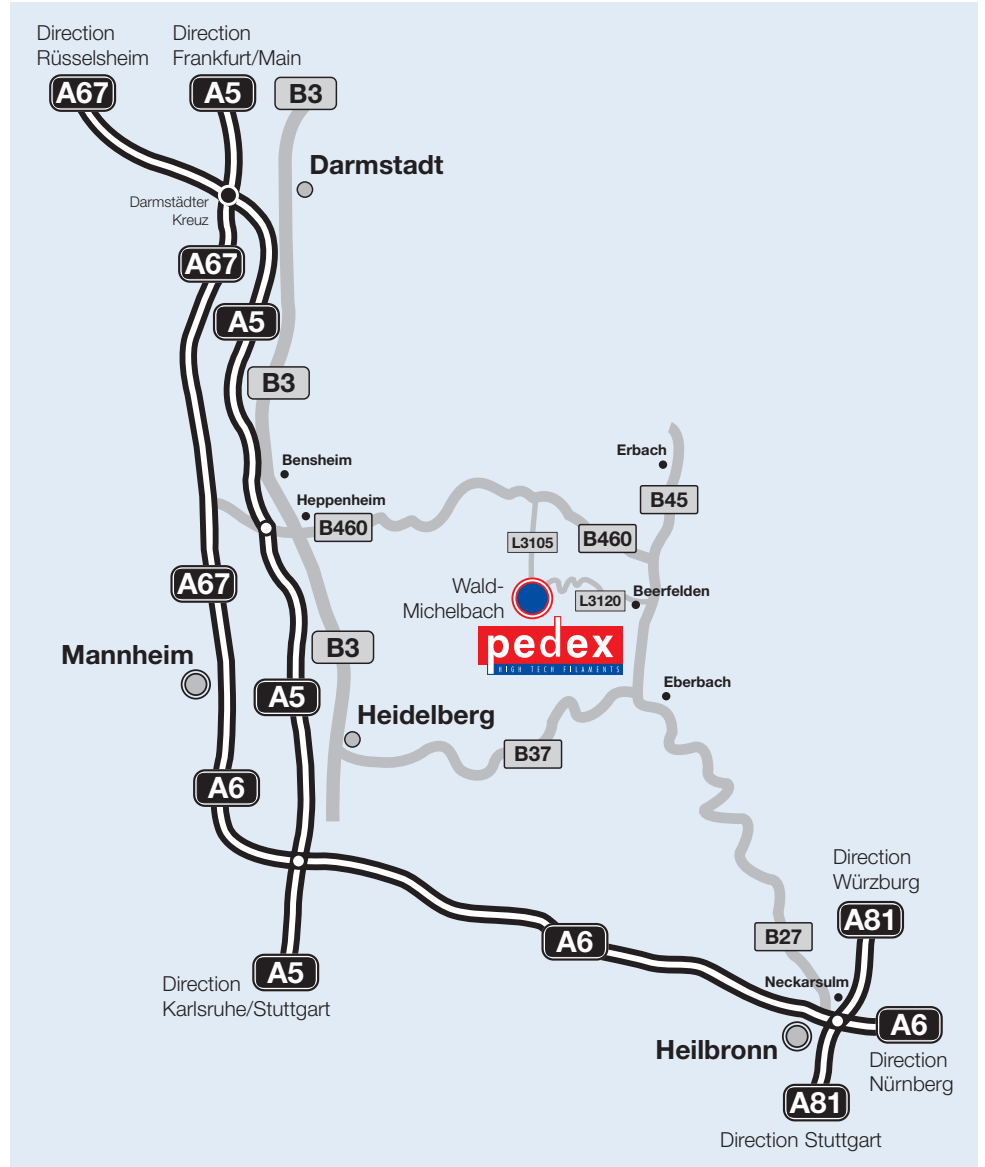


Structure Filaments

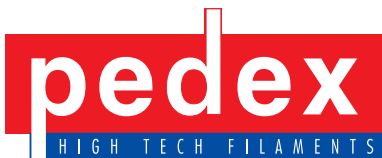


Finger Filaments (Defined flagged)





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