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

STANDARD AND HIGH TECH DENTAL CARE & PERSONAL CARE 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

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**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

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**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

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**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

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**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 + CaCO3 (+ 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" - .012")
- 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" - .012")
- 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 (0.25" - 0.006")
- Special diameters on request

Filament Cross Section
- Round or other

Bundle Length
- 16 mm – 1,200 mm (0.629" – 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 (0.25" - 0.012")
- Special diameters on request

Filament Cross Section
- Round or other

Bundle Length
- 16 mm – 1,200 mm (0.629” – 47”)
- Or spooled, number of filaments is selectable

Bundle Packaging
- Plastic tube, plastic film, paper wrapping, spooled
- Standard Toothbrush Filaments
- Innovative Toothbrush Filaments
- Personal Care Filaments