

# Sensitive



## Perlon® – The Filament Company

Perlon® – The Filament Company – is an innovative, global group of companies specialized in the manufacture of synthetic filaments. Perlon® generates annual sales of about 135 million euros, employs more than 850 people and has a production capacity of over 20,000 tons. We operate from locations in Germany, in the USA and in China.

Through our technical expertise and strength in innovation we develop premium quality products for our customers. The comprehensive product portfolio is based on a variety of raw materials. In line with the intended application, these are modified and processed into high quality, application-specific filaments. The consistent high quality of our products sets worldwide benchmarks.

## Product description

Within our Pedex® product range, Perlon® offers you exceptionally soft and sensitive dental care filaments. This allows you to brush effectively when having sensitive gums, periodontitis or even after surgery.

Perlon GmbH benefits from over 40 years production experience in the dental care market. Our filaments are tailor made for your needs combining technologies such as foaming agents to create an especially sensitive surface of the filament. The cloud like pockets which are filled with air on the outside of Sensitive Structure filament allow the user to have an extremely soft brushing experience.

We specialize in producing thin diameters with Dentex S filaments. The filaments maintain their optimal bending recovery while creating the softness you desire in your toothbrush. In addition, more filaments will fit in a tuft hole resulting in a “fuller” brushing experience with more water and toothpaste held in the brush.

Our co-extrusion process is yet another technology which offers you a diverse portfolio on sensitive filaments. We are also able to link their attributes by combining two materials in a core and sheath layer. Our Rubber Soft filaments function as a soft eraser on your teeth removing plaque in a sensitive manner.

## Product advantages / USP

- Soft and sensitive brushing experience
- Proven track record in specialized tooth brushes for use after surgery
- Dentex S (PBT) – thin diameter allows you to have up to 400% more filaments per tuft hole
- Sensitive Structure filaments are produced by unique unprecedented foaming technology to capture air in small pockets on the surface of the filaments
- 84 Standard colors, other Pantone colors available on request
- Bundle Length: 16 mm – 1200 mm (.629” – 47”)
- Bundle Packaging: Plastic tube, plastic film, paper wrapping



## Sensitive Structure Filaments

- Round 2-component filament
- Filaments with fine structured surface without fill materials makes you brush on clouds
- Soft and sensitive cleaning
- Raw materials: Nylon 6.12, Polyester PBT
- Diameters: 0.15 mm – 0.30 mm (.006" – .012"), special diameters on request

## Dentex S – thin diameter

- Round 1-component filament
- Soft and sensitive cleaning, "full" brushing experience
- 400 % higher filling rate of tuft hole (Ø 4 mil vs. 8 mil)
- Raw materials: Polyester PBT
- Diameters: 0.065 mm – 0.127 mm (.0025" – .005"), higher diameters also available



## Rubber Soft

- Round 2-component filament
- core made of PBT and sheath made of TPE
- Higher cleaning action, up to 38 % better than standard filaments
- Raw materials: Polyester PBT
- Diameters: 0.15 mm – 0.30 mm (.006" – .012"), special diameters on request

This product information was created in good faith and with great care. We cannot assume any responsibility for the accuracy, completeness or topicality of the content. The technical parameters and the behavior of the monofilament may vary depending on its diameter and the production process.