

Personal Care Filaments



Filament applications – soft and sensitive

Sensitive



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Perlon® – The Filament Company

Perlon® – The Filament Company – is an innovative and global group of companies specialising in the production of synthetic filaments. We produce at sites in Germany, Poland and China. We offer an extremely diverse product portfolio for almost every technical application. We are constantly creating new solutions for unique products – Our Engineering. Your success.

Filament applications – soft and sensitive

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.

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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, (spooled on request)



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: PA 6.12, Polyester PBT
- Diameters: 0.15 mm – 0.30 mm (.006" – .012"), other 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: 0.051 mm – 0.127 mm (.002" – .005")

Rubber Soft

- Round 2-component filament
- Core made of PBT and sheath made of TPE
- Higher cleaning action, up to approx. 40% better than standard filaments
- Raw materials: Polyester PBT
- Diameters: 0.15 mm – 0.30 mm (.006" – .012"), other diameters on request

This product information has been compiled to the best of our knowledge and with the greatest of care. We cannot, however, assume any liability for the accuracy, integrity or timeliness of its content. The technical parameters and the behaviour of the filament can vary depending on diameter and production technique.