



Gütermann

# Filter



# EXTREME CONDITIONS

call for superb sewing threads

In industry in particular, filters play a major role in keeping air and water as clean as possible. Because they come into contact with chemicals, oil, moisture or gases up to 250°C, their design is extremely exacting. We also place the same demands on our sewing threads.



Filters have to meet high requirements in terms of function and safety - and thus also the sewing threads used. Gas filters, dust filters, dry filters, liquid filters, pocket filters or particulate filters - different sewing thread characteristics are required depending on the area of application.

A&E Gütermann has special sewing threads that are suitable for the diverse filter applications and meet the extreme requirements. Our diverse range of products offers the right solution for a wide variety of filter applications.

#### **Wet and dry silicone-free filtration**

If silicone-free materials are required, we recommend our silicone-free continuous filaments Tera SF and Filan SF, made of 100% polyester. They are particularly suitable for wet and dry filtration.

Our product recommendation:

| Tera SF 40 | 30

| Filan SF 40 | 30

#### **Pocket filter**

For distance seams, e.g. for pocket filters (HVAS), Poly/Poly SF 80 is recommended. This is a silicone-free core spun thread made of 100% polyester.

Our product recommendation:

| Poly/Poly SF 80

#### **Oil filter and liquid filtration**

We have developed a silicone-free sewing thread made of 100% polypropylene for oil filters and liquid filtration. It boasts excellent chemical resistance and tear and moisture resistance.

Our product recommendation:

| Polypropylene SF 40 | 30

#### **Hot gas filter**

The spun sewing thread made of 100% polyacrylic is suitable for hot gas filtration. It offers good dry heat resistance and a continuous temperature resistance of approx. 125°C. It also offers good chemical and hydrolysis resistance.

Our product recommendation:

| Polyacrylic-Dolanit® 30

#### **For a wide range of filter applications**

The high-temperature and chemical-resistant continuous PTFE filament is suitable for a wide range of filter applications, including wet and dry filters or hot gas and liquid filters.

The material is high-temperature-resistant and flame retardant. It offers continuous temperature resistance of up to 260°C and can be exposed to 300°C for brief periods.

Low shrinkage behaviour is guaranteed even at elevated temperatures.

Our product recommendation:

| PTFE 30





# 360 DEGREES every seam is perfect

High-quality aramid fibre filtration products are the best way to ensure the safety and efficient operation of hot gas filtration plants.

## **Advantages of aramid sewing threads**

A&E Gütermann offers special sewing threads that meet the requirements for high-temperature resistance.

Aramid sewing threads can withstand 260°C continuously and 360°C for brief periods. In addition to their high heat resistance, aramid sewing threads are non-melting, flame-retardant and self-extinguishing. They are also resistant to chemicals, light acids and alkalis.

Our product recommendations:

**Gütermann L 753 | L 1503 | L 1501**  
100% meta-aramid, continuous filament

**Gütermann K 403 | K 753**  
100% meta-aramid, spun, long staple

**Gütermann K 403 AR | K 753 AR**  
**Anesafe® 120 | 75 | 50 | 36**  
100% meta-aramid, spun, short staple

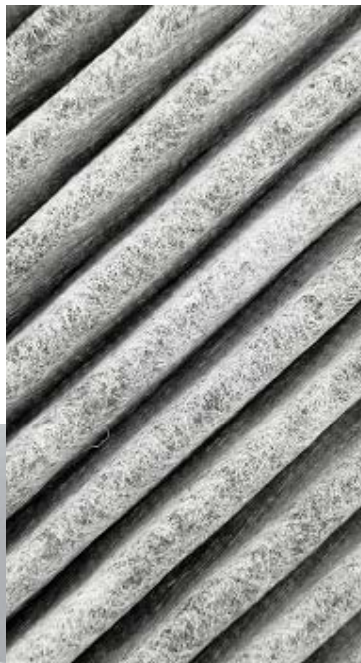


Courtesy of Schwegmann  
Filtrations-Technik GmbH.

Headquarters A&E Gütermann Europe:

**Gütermann GmbH**  
Landstr. 1  
79261 Gutach-Breisgau  
Germany

Tel. +49 7681 21-0  
Fax +49 7681 21-449  
[contact@guetermann.com](mailto:contact@guetermann.com)



[www.guetermann.com](http://www.guetermann.com)