



Findex Filtration specialises in the manufacture and marketing of a wide range of filter sleeves and pockets. To make sleeves and filter pockets, we use needle-punched felts and fabrics of various compositions from natural fibres such as cotton and wool or from synthetic fibres such as polypropylene, polyamide, acrylic, polyester, aramid, sulfar (pps), and ptfe. Both sleeves and filter pockets are stitched or heat-sealed according to application requirements.

For specific applications, felt or fabric impregnation treatments are carried out using the following chemical solutions:

- high fluorinated resin and ptfe content;
- silicone resins;
- thermo-coupling of a porous ptfe membrane;
- antistatic felt cloths with stainless steel fibres.

These treatments make the filter media water-repellent and oleophobic, resistant to high temperatures and non-stick. More efficient and suitable for applications where there is considerable moisture in fumes.

TYPICAL APPLICATIONS

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|--|
| Asphalt and carbon black industry |
| Incinerators |
| Chemical and pharmaceutical industry |
| Steel mills and foundries |
| Cement plants and quarries |
| Food industry |
| Wine industry |
| Sugar factories |
| Galvanic |
| Petrochemical industry and industry in general |

FILTER MEDIA SPECIFICATIONS

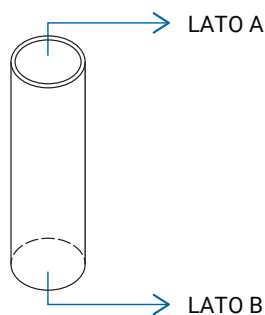
| FIBRE | AVAILABLE YARNS | | | Specific weight g/cm ³ | Moisture regain % | Tenacity g/den | Continuous Temp. °C | Max. Temp. °C | CHEMICAL RESISTANCE | | | |
|---------------|-----------------|---------------|--------------|-----------------------------------|-------------------|----------------|---------------------|---------------|---------------------|--------|----------|------------|
| | Spun | Multifilament | Monofilament | | | | | | Acids | Alkali | Oxidants | Hydrolysis |
| POLYESTER | ✓ | ✓ | ✓ | 1.38 | 0.4 | 6 | 140 | 150 | ●●● | ●● | ●●● | ● |
| POLYACRILIC | ✓ | ✓ | | 1.17 | 1 | 4 | 130 | 140 | ●●●● | ●●●● | ●●●● | ●●●● |
| POLYAMIDE | ✓ | ✓ | ✓ | 1.14 | 4 | 6 | 110 | 120 | ●● | ●●● | ●● | ●● |
| ARAMID | ✓ | ✓ | | 1.38 | 5 | 5 | 210 | 250 | ● | ●●● | ●●● | ●● |
| POLYPROPYLENE | ✓ | ✓ | ✓ | 0.91 | 0.05 | 5 | 90 | 100 | ●●●● | ●●●● | ● | ●● |
| SULFAR | ✓ | ✓ | ✓ | 1.38 | 0.6 | 3.2 | 190 | 210 | ●●●● | ●●●● | ● | ●●●● |
| PTFE | | ✓ | ✓ | 2.1 | 0.01 | 1.6 | 250 | 280 | ●●●● | ●●●● | ●●●● | ●●●● |

●●●● GOOD ●●● FAIR ●● LOW ● POOR

MAIN APPLICATION AREAS FOR FILTER MEDIA

| | |
|-----------------|---|
| POLYESTER | Mines, quarries, cement plants, steel industry, foundries, ceramics, wood industry, asbestos industry, plastics industry, painting plants, production of powder coating paints. Use in low humidity conditions with temperatures below 150°C. |
| POLYACRILIC | Bitumen emulsion plants, dryers, gypsum and lime industry. Use in high humidity conditions up to 120°C. |
| POLYPROPYLENE | Food industry, detergent production. Use requiring good levels of chemical inertia up to 90°C. |
| ARAMID | Bitumen emulsion plants, cement works, ferrous and non-ferrous metal foundries, ceramics. High-temperature applications up to 200°C in conditions with low levels of chemical aggression. |
| SULFAR | Coal-fired boilers, chemical industry. Use up to 180°C, even in chemically demanding environments. |
| PTFE | Incinerators. Maximum chemical inertia up to 250°C. |
| POLYAMIDE (P84) | Flue gas treatment, incinerators. Operating temperature up to 260°C. |

FILTER SLEEVE CODE COMPOSITION



The figures in the table below are standard reference measurements.
Customised filter sleeves are available on request.

| MF | 200 | A2 | 1500 | T200P | AX | CM... |
|--|-----|----|------|-------|----|-------|
| Sleeve diameter Ø (mm) 123 - 150 - 180 - 200 220 - 250 - 400 - 500 | | | | | | |
| SIDE A A = Open plain cut B = Open with drawstring inside flap C = Open with stitched flaps D = Open with Snap-Ring E = Open with fabric flange F = Open with rubber ring sewn into flap G = Open with felt flange | | | | | | |
| SIDE B 1 = As side A 2 = Closed with bottom 3 = Closed with perforated bottom 4 = Closed with reinforced bottom | | | | | | |
| Sleeve Height (mm) 1500 - 2000 - 2500 - 3000 - 3500 - 4000 4500 - 5000 - 5500 - 6000 - 6500 - 7000 7500 - 8000 - 8500 - 9000 | | | | | | |
| Type of filter media T = Fabric F = Needle-punched felt | | | | | | |
| Grammage (g/m²) 200 - 250 - 300 - 400 - 500 - 550 | | | | | | |
| Material AC = Acrylic C = Cotton P = Polyester O = Polypropylene PA = Polyamide AR = Aramid S = Sulfar NX = Nomex® | | | | | | |
| Treatment or finish PTFE = Teflon-coated AX = Antistatic with stainless fibres AC = Antistatic with carbon fibres OR = Oil and water repellent S = Silicone | | | | | | |
| Optional CMSI = Upper inner earth cable CMSE = Upper outer earth cable CMIE = Lower outer earth cable | | | | | | |