

FULL PRODUCT CATALOGUE

Industrial Filtration Fabrics & Accessories

Nonwoven needle felts, woven fiberglass, PTFE media, reinforcement scrims and baghouse accessories — **engineered to precise specification** for extreme industrial conditions.



 **ENVIRONMENTALLY RESPONSIBLE FILTRATION — CLEANER AIR, CLEANER EARTH**



Nonwoven & Woven Filtration Media, Engineered for Demanding Industrial Environments

WHO WE ARE

Delivering Reliable Filtration, Fabric by Fabric

Avraay Filtrex Global produces and supplies industrial filtration fabrics and baghouse accessories to plants across cement, power, steel, chemical and process industries. Our catalogue spans five product lines and eight fabric families — polyester, polypropylene, acrylic, PPS, aramid, fiberglass, PTFE and P84 — so every dust collection challenge has a matched solution.

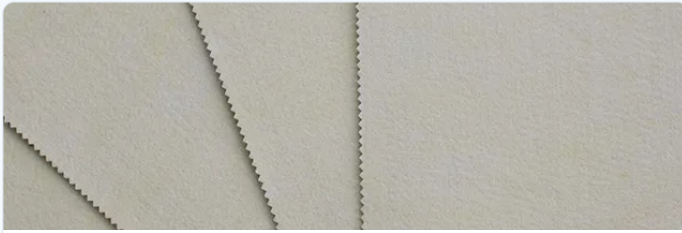
Each roll of felt or fabric is built against a defined specification: fabric composition, scrim reinforcement, thickness, air permeability, tensile strength and working temperature are controlled and documented before it ships.

Beyond fabric, we supply the hardware that keeps a baghouse running — cages, venturis, D-caps, clamps, springs and pleated cartridges — so a single order can cover both the filter media and the accessories around it.

We work directly with plant engineers and procurement teams to match media to operating temperature, chemical exposure and dust loading, backed by fast quotation turnaround and full technical documentation.

25+ YEARS EXPERIENCE	46 CATALOGUED PRODUCTS	8 FABRIC FAMILIES	310°C MAX RATED TEMPERATURE
Fast Turnaround Technical response and quotation within 24 hours of inquiry.	Full Documentation Fabric, scrim, thickness, permeability & temperature on every spec sheet.	One-Stop Sourcing Filter media and baghouse hardware from a single supplier.	

Five Product Lines. Forty-Six Catalogued Items.



21 PRODUCTS

Needle Felt

Needle-punched roll goods across 8 fabric families for pulse-jet filter bags of every temperature class.



6 PRODUCTS

Fiberglass Filter Fabric

Woven E-glass fabric rated to 260°C continuous / 310°C instant — for cement, steel and power-plant baghouses.



5 PRODUCTS

PTFE Product

PTFE membrane, scrim, sewing thread and needle felt for near-zero emission filtration.



3 PRODUCTS

Filter Bag Accessories

Cages, venturis, RABH hardware and pleated cartridges that complete the baghouse system.



11 PRODUCTS

Scrim

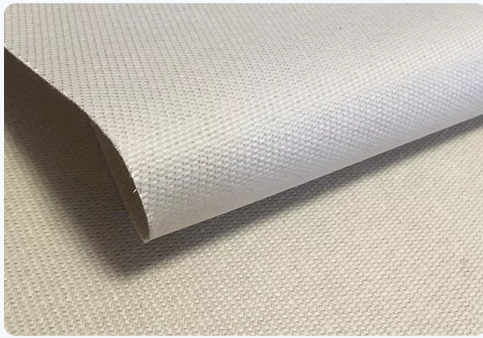
Reinforcement scrim in Polyester, Polypropylene, Acrylic, PPS, Aramid, PTFE and P84, embedded within needle-punched felts to boost tensile strength, dimensional stability and burst resistance.

Needle Felt — Complete Fabric Range

Needle-punched felt roll goods for pulse-jet filter bags, built for excellent dust release and long service life. All 21 catalogued variants below, across 8 fabric families from cost-effective polyester to ultra-high-temperature P84 and PTFE:

PRODUCT CODE	FABRIC	THICKNESS	AIR PERM.	TENSILE (WARP/WEFT)	CONT./MAX TEMP
AFG PE-450	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG PE-500	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG PE-550	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG-PE-500 ANTS	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG-PE-550 ANTS	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG-PE-550 ASFM	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG-PP-500	PP Fabric	2.0 ± 0.2 mm	200-300	900 Warp / 1200 Weft	—
AFG-PP-550	PP Fabric	2.0 ± 0.2 mm	200-300	900 Warp / 1200 Weft	—
AFG-FMS-850-900	Glass Mix Fabric	3.0 ± 0.2 mm	30-80	2000 Warp / 2000 Weft	260°C / 280°C
AFG-PTFE-750	PTFE Fabric	1.0 ± 0.2 mm	20-60	700 Warp / 800 Weft	260°C / 280°C
AFG-PPS-500	PPS Fabric	1.6 ± 0.2 mm	250-300	900 Warp / 1200 Weft	170°C / 190°C
AFG-PPS-550	PPS Fabric	1.6 ± 0.2 mm	250-300	900 Warp / 1200 Weft	170°C / 190°C
AFG-M-ARAMID-500	Meta Aramid Fabric	2.2 ± 0.2 mm	300-400	700 Warp / 1000 Weft	200°C / 240°C
AFG-M-ARAMID-550	Meta Aramid Fabric	2.2 ± 0.2 mm	300-400	700 Warp / 1000 Weft	200°C / 240°C
AFG-Nomex	Meta Aramid Fabric	2.2 ± 0.2 mm	300-400	700 Warp / 1000 Weft	200°C / 240°C
AFG PE-PTFE-550	Polyester Fabric	1.7 ± 0.2 mm	150-250	1100 Warp / 1600 Weft	130°C / 150°C
AFG-PI-P84-550	PI Fabric	2.0 ± 0.2 mm	300-400	800 Warp / 1000 Weft	240°C / 260°C
AFG-P-84-550	P-84 FABRIC	2.0 ± 0.2 mm	300-400	800 Warp / 1000 Weft	240°C / 260°C
AFG-HPA-550	HPA Fabric	2.2 ± 0.2 mm	150-300	700 Warp / 800 Weft	120°C / 140°C
AFG-HPA MIX-550	HPA+POLY FABRIC	2.2 ± 0.2 mm	150-300	700 Warp / 800 Weft	120°C / 140°C
AFG-HP-CP MIX-550	ACRYLIC + POLY FABRIC	2.2 ± 0.2 mm	150-300	700 Warp / 800 Weft	120°C / 140°C

Fiberglass Filter Fabric



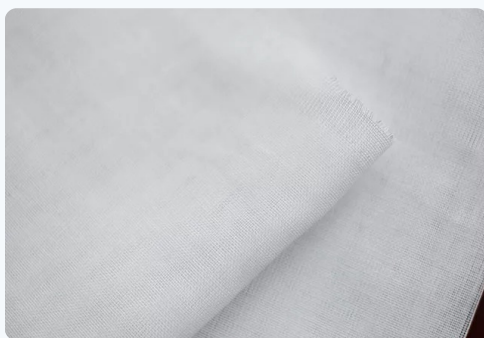
Woven E-glass fabric reinforced with E-glass scrim, built for continuous high-temperature baghouse duty in cement, steel, power generation, waste incineration and chemical plants. Offered in acid-resistant (ARF), PTFE-finished and SGT-finished constructions, in weights from 340 to 750 GSM, with or without membrane lamination.

- ✓ Continuous use to 260°C, instant to 310°C
- ✓ Acid-resistant & PTFE-finish options
- ✓ High tensile strength, low elongation
- ✓ Superior dust cake release

Complete Product List — All 6 Variants

PRODUCT CODE	FABRIC / SCRIM	THICKNESS	AIR PERMEABILITY	TENSILE STRENGTH	WORKING TEMPERATURE
AFG-GLASS-ARF	E-GLASS	0.65-.75 mm	19-35	1700-2250	Cont. 260°C / Max 310°C
AFG-GLASS- PTFE	E-GLASS	0.65-.75 mm	19-35	1700-2250	Cont. 260°C / Max 310°C
AFG-GLASS-SGT	E-GLASS	0.45-0.50 mm	250-400	1760-1150	Cont. 260°C / Max 310°C
AFG-GLASS-340 ARF	E-GLASS	0.34-0.37 mm	19-35	930-980	Cont. 260°C / Max 310°C
AFG-GLASS-340 PTFE	E-GLASS	0.34-0.37 mm	19-35	930-980	Cont. 260°C / Max 310°C
AFG-GLASS-PTFE	E-GLASS	0.65-.75 mm	19-35	1700-2250	Cont. 260°C / Max 310°C

PTFE Product Range



A complete family of PTFE-based media — staple fabric, filament, scrim, membrane and sewing thread. PTFE membrane lamination onto glass or felt substrates delivers superior dust-cake release and near-zero emission performance for aggressive dusts and high-temperature gas streams.

Complete Product List — All 5 Variants

AFG-PTFE-SCRIM — PTFE Scrim. 100% PTFE reinforcement layer used inside PTFE needle felt for added tensile strength and dimensional stability.

AFG-PTFE-MEMBRANE — PTFE Membrane. Ultra-thin surface layer for lamination onto felt or glass substrates, enabling near-zero emission surface filtration.

AFG-PTFE MEMBRANE — PTFE Membrane for Glass & Felt. 100% PTFE, 10–15 µm thickness. Laminated onto fiberglass or felt for aggressive dusts and high-temperature gas streams in power plants, cement factories and incinerators.

AFG-PTFE-SEWING THREAD — PTFE Sewing Thread. 100% PTFE, available in 1250 / 1500 / 2000 denier, 56–70 N tensile strength. Chemical, heat and UV resistant; safe for food and pharmaceutical applications.

AFG-PTFE — PTFE (Teflon) Needle Felt. 100% PTFE fabric & scrim, 1.0 ± 0.2 mm thickness, air permeability 20–60, tensile 700/800 (Warp/Weft), rated continuous 260°C / max 280°C. Used in waste-to-energy, chemical, metallurgy, steel, cement, carbon black and ferro-alloy plants.

Reinforcement Scrim — Complete Range



Scrim fabric is embedded as a core layer inside non-woven needle-punched felts to add tensile strength, dimensional stability and burst resistance during demanding industrial use. Available in seven fabric types to match any felt construction — all 11 catalogued variants below.

Complete Product List — All 11 Variants

AFG-PE-SCRIM — Polyester Scrim. Cost-effective, high tensile strength, low elongation; general-purpose reinforcement for needle-punched felts.

AFG-PE-ANT-SCRIM — Polyester Anti-static Scrim. Polyester base woven with antistatic yarn for static-sensitive dust applications.

AFG-PP-SCRIM — Polypropylene Scrim. Superior chemical resistance and lighter weight; preferred for liquid filtration and battery-separator felts.

AFG-ACRYLIC-SCRIM — Acrylic Scrim. Improves tensile strength and dimensional stability of acrylic felts in hot-gas filtration.

AFG-ANT-SCRIM — Anti-static Scrim. Supporting scrim for antistatic needle felt used in coal-powder and similar dust collection.

AFG-HIGH-T-SCRIM — High-Temperature Scrim. Extreme chemical inertness and heat resistance for harsh-environment, high-efficiency filtration.

AFG-PPS-SCRIM — PPS Scrim. Open-mesh reinforcement providing mechanical support and burst resistance under harsh conditions.

AFG-M-ARAMD-SCRIM — Meta-Aramid (Nomex®) Scrim. Flame-resistant, high-temperature reinforcement for industrial dust collection bags.

AFG-PTRFE-SCRIM — PTFE Scrim. Extreme chemical inertness and temperature resistance for high-efficiency filtration.

AFG-SCRIM — Universal Scrim. General-purpose reinforcement fabric compatible with all felt types.

AFG-P-84-SCRIM — P84 Scrim. Heat-resistant woven core layer adding dimensional stability and burst resistance under stress.

Filter Bag Accessories

The hardware that completes a baghouse system — supplied in galvanized steel and stainless steel, built to fit standard and custom installations. All 3 catalogued product groups below:



AFG-CAGE ACCESSARY
Filter Cage Accessories

Top rings, bottom rings, venturis and other fittings that support the filter bag and prevent collapse during the pulse-cleaning cycle. GI & SS options, 1–1.2 mm.



AFG-RABH-ACCESSARY
RABH Accessories

D-caps, J-hooks, clamps, lock pins, washers and springs for reverse-air baghouse systems in cement, steel and raw material handling plants. GI & SS, 1–1.2 mm.



AFG-LIQUID FILTER BAGS
Pleated Bags & Cartridges

Customized polyester/PP pleated cartridges for plasma cutting, powder conveying, gas turbines, casting, steel, tobacco and automotive plants. Cont. 130°C / max 150°C.

MATERIALS	COMPONENT TYPES	TYPICAL SYSTEMS
Galvanized Iron (GI)	Cage top & bottom rings	Pulse-jet baghouses
Stainless Steel (SS)	Venturis & D-caps	RABH systems
Polyester / PP	Clamps, springs, lock pins	Custom cartridge housings

Built for Plant Engineers & Procurement Teams

24-Hour Response

Every technical inquiry gets a detailed, application-matched recommendation within one business day.

Full Technical Documentation

Fabric, scrim, thickness, air permeability and temperature rating on every specification sheet — no guesswork.

Complete Fabric Portfolio

Polyester, PP, Acrylic, PPS, Aramid, Fiberglass, PTFE and P84 — one supplier for every temperature and chemical duty.

Media + Hardware, One Order

Filter fabric, scrim and baghouse accessories sourced together, reducing supplier count and lead time.

Industries We Serve

- Cement
- Coal & Grinding Mills
- Iron & Steel Smelting
- Thermal Power
- Chemicals
- Petrochemicals
- Pharmaceuticals
- Waste-to-Energy
- Carbon Black
- Ferro-Alloy
- Automotive
- Casting & Foundry

Temperature Guide, At a Glance

FABRIC	CONTINUOUS RATING	BEST SUITED FOR
Homopolymer Acrylic (HPA)	120°C	Medium-temp dust, acid & hydrolysis resistance
Polyester (PE)	130°C	General-purpose cement, coal, iron & steel dust
PPS (Ryton®)	170°C	Thermal power, chemical processing
Aramid (Nomex®)	200°C	Flame resistance, biomass, steel smelting
P84® (Polyimide)	240°C	High-temp flue gas, iron & steel, cement
Fiberglass (FMS blend) / PTFE	260°C	Waste-to-energy, carbon black, ferro-alloy
Woven Fiberglass Fabric	260°C (310°C instant)	Cement, steel, power generation baghouses

Request Your Quote

Send us your application details — fabric preference, temperature range and dimensions — and our technical team responds within 24 hours.



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