

AOG

NONWOVEN  
FABRICS



ARVIND Advanced Materials



AOG is a joint venture between Arvind Ltd. (India) and OG Corp. (Japan) with manufacturing facilities near Ahmedabad. AOG is an ISO 9001: 2008 certified manufacturing facility with world class technology and expertise. We make high quality nonwoven fabrics using needle-punch technology for bag house filtration, liquid filtration, artificial leather, electric insulation, jacket liner, shoe liner & conveyor belting.

AOG has installed custom-built machines specifically designed to achieve high Japanese quality standards, capable of handling various fibers such as M-Aramid, Acrylics, Poly-phenylene Sulfone (PPS), Polyimide, Polyamides, Polypropylene etc.

The AOG logo is rendered in a bold, blue, sans-serif font with a horizontal-line texture. It is positioned in the upper right corner of the image against a clear blue sky.

**Arvind**  
FASHIONING POSSIBILITIES

Established in 1931, Arvind is the flagship enterprise of the \$1.5bn Lalbhai Group with businesses ranging from textiles, retail, advanced materials, infrastructure and many others. Arvind employs more than 25,000 people in its operations worldwide.

 **OG CORPORATION**

OG Corporation is a multi-billion dollar trading company, with a global office presence and specialising in the marketing of Intermediates for dyestuff, pigments, plastics, polymers, fine chemicals, pharmaceuticals and electronic chemicals etc.

Technology Partner

Kureha Ltd., Japan (subsidiary of TOYOBO) is the technology partner for AOG.



## Technology and Innovation

- World-class Japanese technology with consistent quality supported by rigorous systems and processes
- Ability to provide customized solutions with dedicated product development capabilities
- Several innovative brands developed – Fiberbond, Twintech, Staticguard, Pleatbolt, Superbond, Flurobond, Alufin, Microbond, Glassbond et al
- 3.5 Mn Meter Production Capacity to full fill the demand of our customers for various applications.

## Supply chain strengths

- Strategic tie-ups with key fiber suppliers and in-house spinning of yarns and scrim manufacturing
- Superior speed-to-market and end-to-end visibility of felt production guaranteeing product quality

## Superbond

SuperBond™ is chemical treatment provided to the non-woven filter media for dry gas filtration application and is a Trademark of Arvind OG Non-wovens India (Private) Limited. A very heavy fluorocarbon treatment designed to reduce the effects of chemical attack, in particular to hydrolysis. Works are providing outstanding liquid repellency, so slowing down the penetration of water into the fibres. The dust cake release is quicker and far better. SuperBond™ treatments are available in Polyester, m-Aramid, PPS and Polyimide (P84).

## Fluorobond

Fluorobond™ is chemical treatment provided to the non-woven filter media for dry gas filtration application and is a Trademark of Arvind OG Non-wovens India (Private) Limited. A C6 chemistry fluorocarbon treatment designed for hydrophobic and oleophobic effect on the filter media that improves the release of dust cake during cleaning and provides limited levels of chemical attack. The dust cake release is quicker and far better. Fluorobond™ treatments are available in almost all types of filter media.

## Alufin

Alufin is a surface treatment provided to Nonwoven Filter Media for dry gas filtration application and the Trademark of Arvind OG Non-wovens India (Private) Limited. A mechanical treatment on nonwoven fabric to enhance collection of Alumina dust and thereby helping in reducing particulate emission.

## Fiberbond

Fiberbond™ from AOG – an innovative range of needle felts produced without the use of an internal scrim. Our proprietary processes have been developed and refined over several years, enabling the manufacture of needle felts solely from filtration fibres. The success of this technology has been phenomenal and this material has been supplied globally to the filtration industry to date.

## Twintech

A high-performance filter media delivering a host of benefits for industrial dry filtration applications. Each product in the Twintech range comprises a base textile substrate onto which an expanded microporous PTFE membrane is laminated. The membranes we employ are able to arrest very fine dust particles on their surface whilst being permeable to gas through the billions of tiny pores that make up their construction.

## Pleatbolt

As process technologies within the air pollution control industry continue to evolve, increased demands for advancements in filter media performance must be met. In response to this challenge, AOG is now proud to introduce Pleatbolt™ - a complete line of pleatable filter media for today's pleated bag or cartridge manufacturer.

## Staticguard

Many dusts are prone to permit the build-up of static electricity and, where such build-ups occur, it can be vital that they be discharged easily and rapidly, as many of these same dusts are potentially explosive. The adoption of inadequate measures to mitigate the risks involved when processing potentially explosive dusts can be catastrophic with numerous deaths occurring throughout a variety of industries as a result of dust explosions.

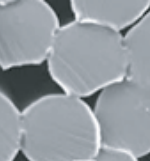
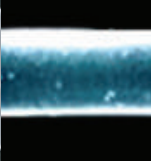




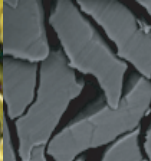
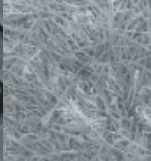
## Glassbond

One branch of the Twintech range of ePTFE laminated products, Glassbond products typically employ impregnated woven glass fabrics as the support for ePTFE membranes. In these systems, the filtration is performed by the membrane which is mechanically supported by a woven fibreglass substrate.

## Microbond

Tighter environmental legislation and a more responsible approach to pollution have driven a shift to ever lower emissions from filter units.

# Fiber Selection Chart

Fibre's Generic Name	Polypropylene	Polyester	Homopolymer Acrylic HPA	PPS	M-Aramid	Polyimide (P84 / PI)	PTFE	Fibreglass
Cont. Op Temp (Dry Heat)	90° C	135° C	120° C	160° C	200° C	240° C	260° C	260° C
Cont. Op Temp (Moist Heat)	90° C	90° C	110° C	190° C	175° C	220° C	260° C	260° C
Max. Short Peak Temp (Dry Heat)	105° C	150° C	140° C	200° C	220° C	260° C	280° C	280° C
Resistance to Alkali	Excellent	Fair	Fair	Excellent	Good	Good	Excellent	Fair
Resistance to Acid	Excellent	Fair	Fair	Excellent	Fair	Good	Excellent	Very Good
Abrasion resistance	Excellent	Excellent	Fair	Good	Good	Good	Excellent	Fair
Typical structure								

## Product Finishes

- Calendaring
- Singeing (electric and gas)
- PTFE coating
- Oil and water resistance coating
- Fire retardant
- Anti abrasion coating
- Antistatic
- Glaze
- Anti adhesive
- PTFE Membrane lamination



## Arvind lineage

- 100 year old publicly listed group considered one of India's most respected business houses
- Corporate focus on sustainability, customer service and innovation

**ARVIND**  
FASHIONING POSSIBILITIES

## Industries we cater

- Cement
- Power
- Iron and Steel
- Chemical
- Pharmaceuticals
- Asphalt
- Waste to energy
- Aluminum Smelters
- Apparel





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