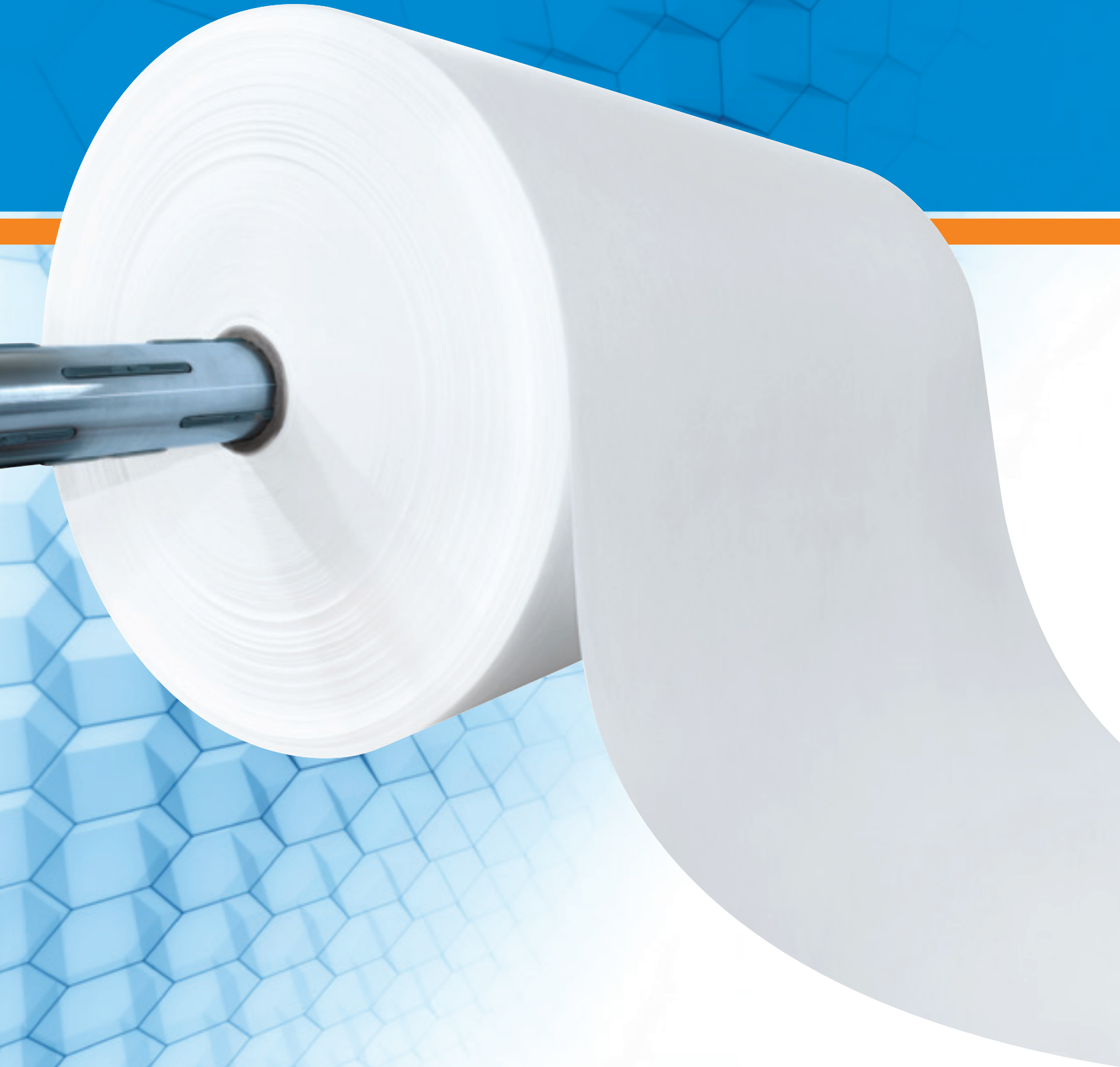


EXPERIENCE RESULTS



JINYOU[®]



INTELLIGENT
SOLUTIONS
FOR AIR MEDIA



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WHY IAM

WE KNOW MEDIA.

IAM offers products not found anywhere in the world allowing us to lead the way to innovative solutions that empower businesses and individuals to realize energy efficiency through superior filter media. We deliver value service by taking care of our customers to give them what they need, keeping them on budget, on schedule and delivering the highest quality products. This is our passion, and our passion means that we endlessly work on developing and producing unique and cutting edge media.

IAM always strives to improve quality of life by developing the best and most efficient media in the industry. IAM has set the standard in cost-effective filter media, energy savings and by delivering best-in-class products and services to achieve PM 2.5.

As a pioneer in air inlet filtration, Innovative Air Management continues to solve one of the world's most challenging problems...Clean Air.

WHO WE ARE

In 2014 IAM partnered with Shanghai Lingqiao (LH), a worldwide recognized company with over 30 years experience manufacturing high quality ePTFE membranes and began research and development of new medias. IAM helped to bridge the gap between Shanghai Lingqiao (LH) and reaching customer needs with quick delivery of media with warehouses in USA and Canada.

This partnership allows lower costs and innovative new filter media.

Together we offer:

- 4 ePTFE lamination lines from bag filters to dental floss
- Higher efficiency & lower pressure drop media
- Certified test data on media being used in filter production



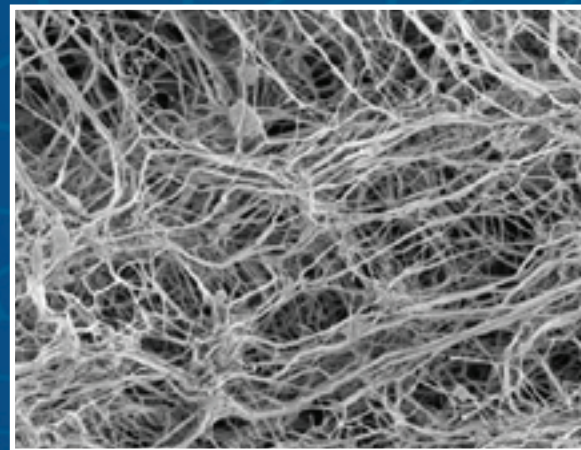
- Creation of 23 NEW innovative medias since partnering with Shanghai Lingqiao (LH)
- 15 years in the development of air filtration media
- Innovator of multi-level membranes
- Developer of HEPA efficiency media products
- World Distributor of pleatable filter medias
- Certification of all filter media distributed

THE UNSTRESSED ADVANTAGE

UNSTRESSED: The New Generation of ePTFE

Through the development of IAM's Flexi-Text membrane, a new unstressed generation of ePTFE has been born. IAM uses a unique process that relaxes the fibers, making them flexible and less "stressed." The relaxed membrane bends during the pleating process without breaking the fibers. With less ruptured fibers, delamination is greatly reduced. This gives the media a higher efficiency, lower pressure drop over time and a longer filter life.

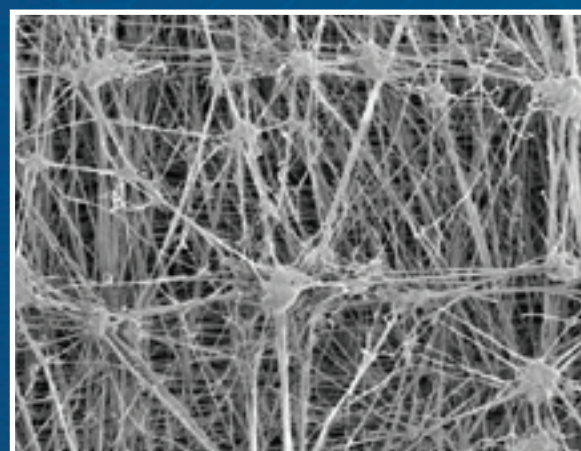
Only IAM brings you, the filter manufacturer, a New Generation of ePTFE in industrial air filtration.



Unstressed

STRESSED

Although this process has been used for decades it has not been without limitations. This stretching process traumatizes the fibers so that once formed into a thin membrane, they become more fragile. This creates a stressed membrane. Pleating a stressed ePTFE membrane can create ruptures and breakage in the fibers thus reducing efficiency and increasing resistance along every pleat line. This can lead to delamination over time.



Stressed

ePTFE HISTORY

ePTFE was developed in 1938 as a frictionless material and was used during World War II in the development of the atomic bomb. Since then PTFE has been used in a vast number of applications including air filtration. Traditionally, PTFE fabrication for air filtration requires that the fibers be expanded by quickly stretching them to create fibers with submicronic openings. These openings allow the oxygen to pass but block the hydrogen in the water molecule (H₂O).

PRODUCT FAMILY OVERVIEW

HP FAMILY - HIGH PERFORMANCE

The HP Product Family is more versatile than any media in its class. It can fit more applications than any other comparable media. Backed with the finest grades of polyester spunbond and then laminated with a proprietary Flexi-Tex ePTFE membrane, our HP products are not only strong and durable but carry the highest efficiency and lowest pressure drop than any competitor. This translates to longer filter life and quality air. All HP products come with a full line of 3rd party testing data that certifies what is stated in the technical data.

TR FAMILY - TURBINE MEDIA

Designed specifically for the HEPA grade gas turbine and generator markets, the TR Product Family offers the customer a better, more economical option from typical F9 filtration. A 3-layer construction with high efficiency and lower pressure drop, this fully synthetic E12 media will optimize power output, reduce maintenance cost and increase compressor and turbine life. A 3rd outer layer acts as a Pre-Filter to remove larger particulate, keeping unburnt hydrocarbons salt, moisture and all particulate from getting to the membrane. This new generation of multi-layered filtration offers HEPA grade efficiencies where never before were possible.

PC FAMILY - POLY CELL

The PC family is like Nanofiber on steroids. Innovation and a need for high efficiency filtration at an economical price has been the driving force in the development of our PC product line. Backed with a polyblend substrate and then laminated with our proprietary Flexi-Tex ePTFE membrane, the PC gives the customer a high efficiency HEPA grade media along with a durable membrane, all at a very affordable price. Unlike nanofibers that pulse off after many cleaning cycles, the PTFE PC Products offers a membrane that will last the full life of the filter. HEPA efficiency from start to finish, stronger than glass, longer lasting membrane than any nanofiber, chemical tolerant are features that no other filter media can give.

PB FAMILY - POLYESTER SPUNBOND

Where clean air, durability and long filter life are a MUST, the PB product line is the choice. The consistent blending of the bi-component fibers promotes a longer filter life cycle and will go twice the distance of any polyester/cellulose blend. Chosen for superior strength, stiffness, purity and uniformity, this synthetic, non-woven is tailored to bring value and innovation to meet the high demands of industrial filtration. Built for heavy dust loading applications, the PB family line of synthetics will outlast other medias as the synthetic polyester fibers are so durable they can be washed and re-used many times. Where value and clean air are the controlling factors, the PB line will be your choice.

MEDIA- PLEATED FELTS

High temperature applications require filtration media's that can stand up to extreme environments where typical pleatables fail. IAM has taken the felt bag technology and developed a line of pleatable felts that not only withstand higher ambient temperatures but also perform high efficiency HEPA grade filtration. Where extreme conditions require performance filtration, IAM Pleatable Felts is your smart choice.

APPLICATIONS



INDUSTRIAL AIR FILTRATION

HP360, HP300, PC200, PC100, PB360, PB300



WELDING / CUTTING

HP360, HP300, PB360, PB300



GAS TURBINE

TR500, NAN 8020



PHARMACEUTICAL

TR500, NAN 8020



SURFACE TECHNOLOGIES

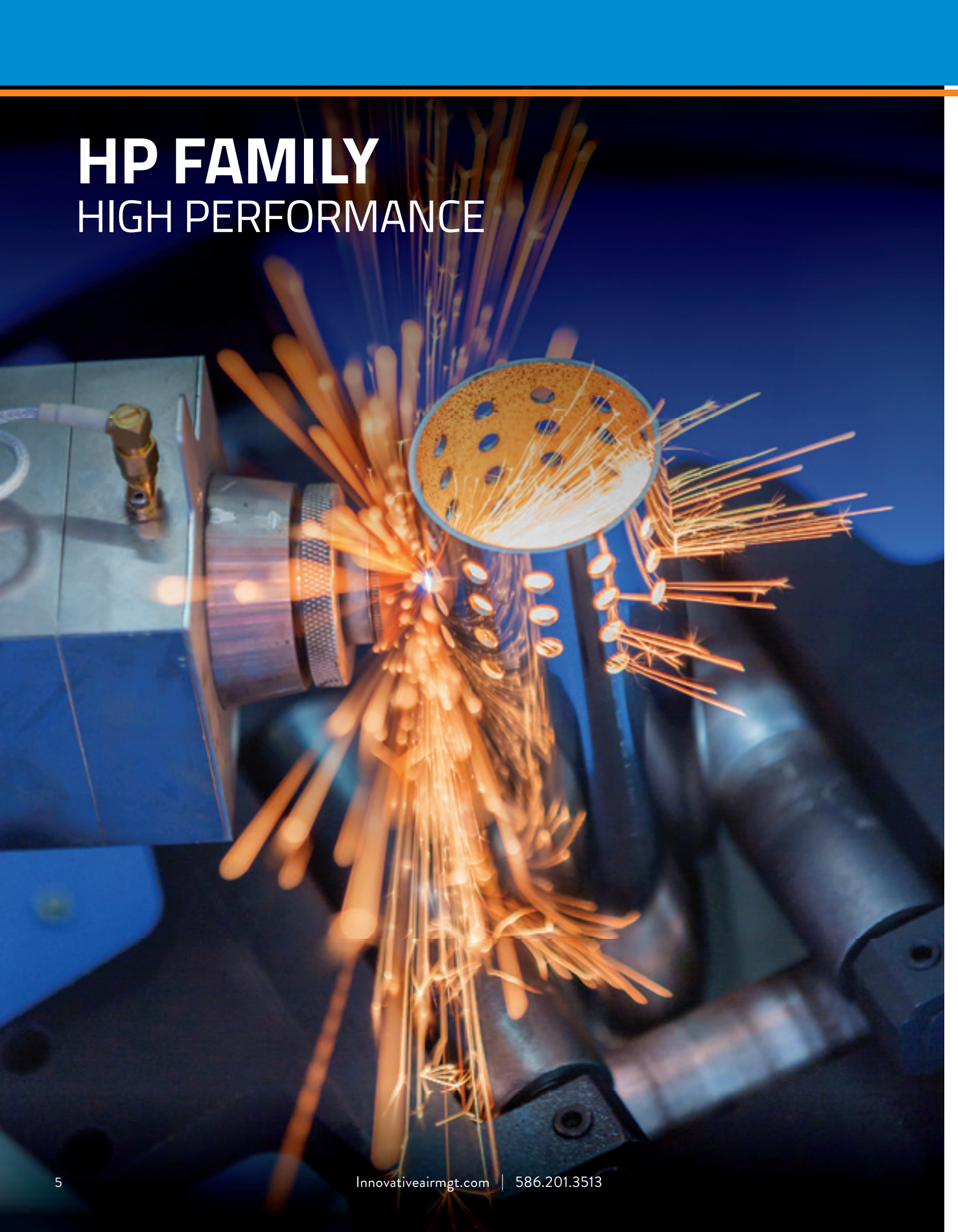
HP360, HP300, PC200, PB360, PB300

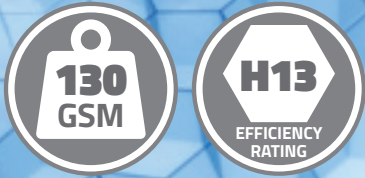


PLUS MANY MORE

Power Plants, Hazardous Materials, Vacuums,
Steel Mills, Clean Rooms, etc...

HP FAMILY HIGH PERFORMANCE





HP500-130

HP500 is an H13 efficiency that puts it in a class of its own. The proprietary HEPA grade ePTFE membrane is Thermal-Bonded to a 130gsm Toray Bi-Component Polyester Spunbond base. The membrane is laminated to the substrate without solvents, chemicals, or binders. This process eliminates the risk of contamination and leach out during the filtration process. The, unique to IAM, Relaxed Membrane will not rupture or break during the pleating process like typical membranes. Applications that require high efficiency, HEPA grade media with low pressure drop, such as vacuum systems, pharmaceuticals and clean rooms, will have the added advantage of a durable chemical resistant media.

FEATURES

- Chemical Resistant, Anti-Salt membrane
- 100% Hydrophobic
- HEPA Grade (H13 Efficiency)
- Full Synthetic Media
- Excellent particulate shedding off surface
- Relaxed ePTFE membrane for durability in the pleating process

APPLICATIONS

- Vacuum Systems
- Pharmaceuticals
- Clean Rooms
- Electronics
- Chemical Filtration
- Biological Filtration
- Hazardous Material Collection
- Radioactive Particles
- Hospitals
- Food Processing
- Laboratories

HP500-130

SPECIFICATIONS	US	METRIC
MODEL	HP500-130	HP500-130
SUBSTRATE	Polyester Spunbond	Polyester Spunbond
EFFICIENCY @0.33MICRON	99.9991 %	99.9991%
EFFICIENCY (PER EN-1822)	H13	H13
BASIS WEIGHT	3.8 oz/yd ²	130 gsm
THICKNESS	0.015"	0.39 mm
CONTINUOUS SERVICE TEMP.	275°F	135°C
TENSILE STRENGTH IN WARP	128.8 lb/2"	573 N/5cm
TENSILE STRENGTH IN WAFT	61.1 lb/2"	272 N/5cm
MINIMUM MULLEN BURST	182 psi	1256 KPa
AIR PERMEABILITY	5 cfm/ft ² @0.5"wg	25 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	1.08 in wg	270 Pa





HP360

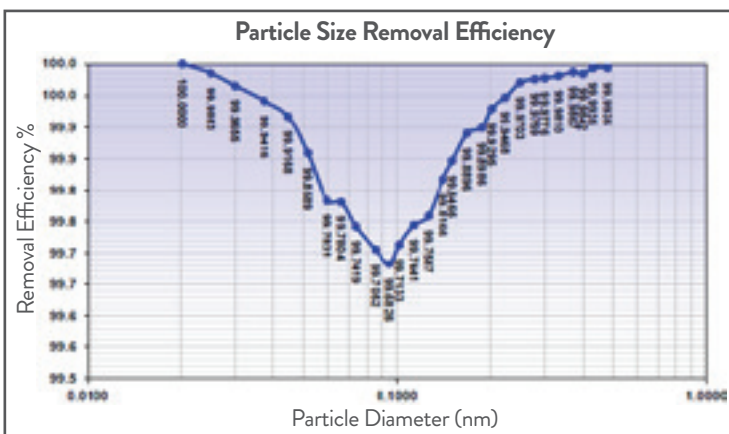
The HP360 is a Full Circle PTFE that fits more applications than any other media of its kind. Backed by a Toray 100% PSB substrate, the HP360 is unsurpassed in consistency and performance. Laminated with IAM's Flexi-Text membrane, the "unstressed" fibers will allow the media to stretch and form during the pleating process. Unlike all other ePTFE membranes, the Flexi-Text will not crack, or break which causes delamination over time. Designed and developed for high volume welding, plasma cutting, chemical or any application which produces particulate of sub-micron size, the HP360 is the smart choice.

FEATURES

- 2 Weights Available: 130 GSM & 260 GSM
- Chemical Resistant, Anti-Salt membrane
- 100% Hydrophobic
- High Efficiency E11
- Washable
- Low Pressure Drop (up to 40% lower)

APPLICATIONS

- Industrial Air Filtration
- Welding (Laser, Plasma)
- Stainless Steel Welding
- Pharmaceuticals
- Plating
- Food Processing
- Powder Coating
- Cement



HP360

SPECIFICATIONS (260 GSM)	US	METRIC
MODEL	HP360	HP360
SUBSTRATE	Polyester Spunbond	Polyester Spunbond
EFFICIENCY @ MPPS	99.68 %	99.68%
EFFICIENCY (PER EN-1822)	E11/12	E11/12
BASIS WEIGHT	7.8 oz/yd ²	265 gsm
THICKNESS	0.023"	0.58 mm
CONTINUOUS SERVICE TEMP.	275°F	135°C
TENSILE STRENGTH IN WARP	220 lb/2"	1000 N/5cm
TENSILE STRENGTH IN WAFT	160 lb/2"	750N/5cm
MINIMUM MULLEN BURST	340 psi	2347 KPa
AIR PERMEABILITY	4-6 cfm/ft ² @0.5"wg	20-30 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	1.00 in wg	250 Pa





HP360-AL

ALUMINUM

HP360-AL is a proprietary HEPA grade ePTFE membrane and is Thermal-Bonded to a Toray Bi-Component Polyester Spunbond with an aluminum anti-static coating sandwiched between them. This E11 HEPA membrane is formed without solvents, chemicals or binders. The unique Relaxed Membrane is bonded to the up-flow side that makes this media a one-of-a-kind in the filtration industry. The bonding process is engineered so the membrane and aluminum coating will not rupture or break down during the pleating process.

FEATURES

- 2 Weights Available: 130 GSM & 260 GSM
- Chemical Resistant, Anti-Salt membrane
- 100% Hydrophobic
- High Efficiency E11
- Washable
- Low Pressure Drop (up to 40% lower)

APPLICATIONS

- Industrial Air Filtration
- Welding (Laser, Plasma)
- Stainless Steel Welding
- Pharmaceuticals
- Plating
- Food Processing
- Powder Coating
- Cement

HP360-AL

SPECIFICATIONS (260 GSM)	US	METRIC
MODEL	HP360-AL	HP360-AL
EFFICIENCY @ MPPS	99.68 %	99.68%
BASIS WEIGHT	7.7 oz/yd ²	260 gsm
THICKNESS	0.024"	0.60 mm
TENSILE STRENGTH IN WARP	243 lb/2"	1080 N/5cm
TENSILE STRENGTH IN WAFT	184 lb/2"	820 N/5cm
MINIMUM MULLEN BURST	406 psi	2800 KPa
AIR PERMEABILITY	21 cfm/ft ² @0.5"wg	105 L/dm ² .min@200Pa
SURFACE IMPEDANCE	≤ 60Ω	≤ 60Ω





HP300

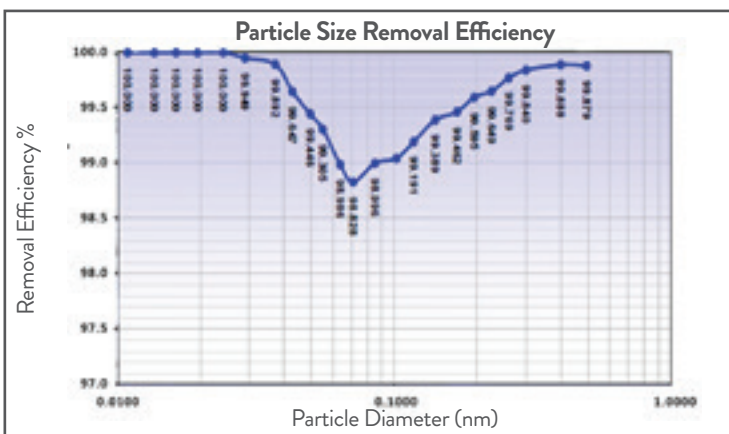
A proprietary HEPA grade ePTFE membrane is Thermal-Bonded to the 100% synthetic base through a proprietary process that forms a permanently bonded membrane without using solvents, chemicals, or binders. This process eliminates the risk of contamination and leach out during the filtration process. The unique Relaxed Membrane will not rupture or break during the pleating process like typical membranes. High efficiency and up to 40% lower pressure drop make this media the only choice for heavy, industrial filtration applications.

FEATURES

- 3 Weights Available: 130 GSM, 170 GSM & 260 GSM
- Excellent particulate release
- Very Durable Media
- High Efficiency E11
- Can Wash/Pulse Well
- Low Pressure Drop (up to 40% lower)

APPLICATIONS

- Industrial Air Filtration
- Welding (Stainless Steel, Plasma)
- Plasma Cutting
- Pharmaceuticals
- Plating
- Food Processing
- Powder Coating
- Cement
- Metalizing



HP300

SPECIFICATIONS (260 GSM)	US	METRIC
MODEL	HP300	HP300
SUBSTRATE	Polyester Spunbond	Polyester Spunbond
EFFICIENCY @0.33MICRON	99.95 %	99.95%
EFFICIENCY (PER EN-1822)	E11	E11
BASIS WEIGHT	8.0 oz/yd ²	270 gsm
THICKNESS	0.023"	0.58 mm
CONTINUOUS SERVICE TEMP.	275°F	135°C
TENSILE STRENGTH IN WARP	220 lb/2"	1000 N/5cm
TENSILE STRENGTH IN WAFT	160 lb/2"	750N/5cm
MINIMUM MULLEN BURST	280 psi	1934 KPa
AIR PERMEABILITY	5-8 cfm/ft. ² @0.5"wg	25-40 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	0.92 in wg	230 Pa
SUGGESTED PRE-HEAT TEMP.	190°F	89°C





HP300-AL

ALUMINUM

HP300-AL has an aluminum anti-static coating is sandwiched between a proprietary HEPA grade ePTFE membrane and then Thermally-Bonded to a 100% synthetic base through a proprietary process. An aluminum, anti-static coating is added to this Bi-Component Polyester which maintains a neutral charge that will minimize negative ion and electro-static build up on the filter element. This E11 HEPA membrane is formed without solvents, chemicals or binders. The unique Relaxed Membrane is bonded to the up-flow side that makes this media a one-of-a-kind in the filtration industry. The bonding process is engineered so the membrane and aluminum coating will not rupture or break down during the pleating process.

FEATURES

- Neutralizes Electrostatic Charges
- 100% Hydrophobic
- High Efficiency E11
- Washable
- Low Pressure Drop (up to 40% lower)

APPLICATIONS

- Industrial Air Filtration
- Welding (Laser, Plasma)
- Stainless Steel Welding
- Pharmaceuticals
- Plating
- Food Processing
- Powder Coating
- Cement

HP300-AL

SPECIFICATIONS	US	METRIC
MODEL	HP300-AL	HP300-AL
EFFICIENCY @0.33MICRON	99.73 %	99.73%
EFFICIENCY (PER EN-1822)	E10/11	E10/11
BASIS WEIGHT	7.8 oz/yd ²	265 gsm
THICKNESS	0.023"	0.59 mm
TENSILE STRENGTH IN WARP	105 lb/2"	470 N/5cm
TENSILE STRENGTH IN WAFT	98 lb/2"	440 N/5cm
MINIMUM MULLEN BURST	314 psi	2170 KPa
AIR PERMEABILITY	6.6 cfm/ft ² @0.5"wg	33 L/dm ² .min@200Pa





HP300-CB

CARBON BLACK

HP 300-CB has a Carbon Black coating sandwiched between a proprietary HEPA grade ePTFE membrane and then Thermally-Bonded to a 100% synthetic base through a proprietary process. This E11 HEPA membrane is formed without solvents, chemicals or binders. The unique Relaxed Membrane is bonded to the up-flow side that makes this media a one-of-a-kind in the filtration industry. The bonding process is engineered so the membrane and CB coating will not rupture or break down during the pleating process.

FEATURES

- Fire Suppressant
- Explosion Suppressant
- Anti-Static Control
- 100% Hydrophobic
- Full Synthetic Media
- High Efficiency E11

APPLICATIONS

- Industrial Air Filtration
- Magnesium Processing & Cutting
- Stainless Steel Welding & Cutting
- Aluminum Cutting
- Food Processing
- Pharmaceuticals
- Laser Cutting
- Coal

HP300-CB

SPECIFICATIONS	US	METRIC
MODEL	HP300-CB	HP300-CB
SUBSTRATE	PSB with Carbon Black	PSB with Carbon Black
EFFICIENCY @0.33MICRON	99.20 %	99.20%
EFFICIENCY (PER EN-1822)	E11	E11
BASIS WEIGHT	8.0 oz/yd ²	270 gsm
THICKNESS	0.024"	0.62 mm
CONTINUOUS SERVICE TEMP.	248°F	120°C
TENSILE STRENGTH IN WARP	202 lb/2"	900 N/5cm
TENSILE STRENGTH IN WAFT	180 lb/2"	800N/5cm
AIR PERMEABILITY	5-8 cfm/ft ² @0.5"wg	25-40 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	0.92 in wg	230 Pa
SURFACE IMPEDANCE	≤105Ω	≤105Ω





HP300-FR

FIRE RETARDANT

HP300-FR has a Fire Retardant coating applied to the proprietary HEPA grade ePTFE membrane and is Thermally-Bonded to a 100% synthetic base through a proprietary process that forms a permanently bonded membrane without using solvents, chemicals, or binders. This process eliminates the risk of contamination and leach out during the filtration process. The unique Relaxed Membrane will not rupture or break during the pleating process like typical membranes. When extra protection against fires is a priority, the HP300-FR is the only choice where heavy sparks are generated and there is a risk of fire.

FEATURES

- Fire Retardant chemical coating
- Prevents sparks from igniting
- 100% Hydrophobic
- Fire Suppressant
- Explosion Suppressant
- Anti-Static Control
- Full Synthetic Media
- High Efficiency E11

APPLICATIONS

- Industrial Air Filtration
- Welding (Laser, Plasma)
- Stainless Steel Welding
- Pharmaceuticals
- Plating
- Food Processing
- Powder Coating
- Cement

HP300-FR

SPECIFICATIONS	US	METRIC
MODEL	HP300-FR	HP300-FR
SUBSTRATE	Polyester Spunbond	Polyester Spunbond
EFFICIENCY @0.33MICRON	99.50%	99.50%
EFFICIENCY (PER EN-1822)	E11	E11
BASIS WEIGHT	8.3 oz/yd ²	280 gsm
THICKNESS	0.024"	0.62 mm
TENSILE STRENGTH IN WARP	220 lb/2"	1000 N/5cm
TENSILE STRENGTH IN WAFT	160 lb/2"	750 N/5cm
MINIMUM MULLEN BURST	280 psi	1934 KPa
AIR PERMEABILITY	4-6 cfm/ft ² @0.5"wg	20-30 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	0.92 in wg	230 Pa





TR FAMILY TURBINE MEDIA

JINYOU®



TR500-200

A 3-layer construction with high efficiency and lower pressure drop, this fully synthetic E12 media will optimize power output, reduce maintenance cost and increase compressor & turbine lifetime. A 3rd outer layer acts as a Pre-Filter to remove larger particulate, keeping unburnt hydrocarbons, salt, moisture and all particulate from getting to the HEPA membrane. Our proprietary ePTFE second layer is thermally bonded to a Bi-Component Polyester Spunbond base through a unique process that forms a perma-bond membrane without solvents, chemicals or binders. The proprietary Relaxed Membrane will not rupture or break during filter processing. The TR family medias are great for Gas Turbines and compressors.

FEATURES

- 3 Weights Available: 70 GSM, 130 GSM & 200 GSM
- Extremely High Dust Holding Capacity
- Strengthened 3-Layer Lamination
- Greatly extended filter life
- Increases Gas Turbine Availability
- Special 3rd layer reduces corrosion
- High Efficiency E12 Filtration
- Can be pulsed or used in static filtration for V-Bank Construction
- 3rd layer protects from salt and unburnt hydrocarbons from effecting performance

APPLICATIONS

- Gas turbine HEPA grade
- Power plants
- Pharmaceutical
- Biomedical air filtration
- Hazardous material collection
- Electronics
- Compressors

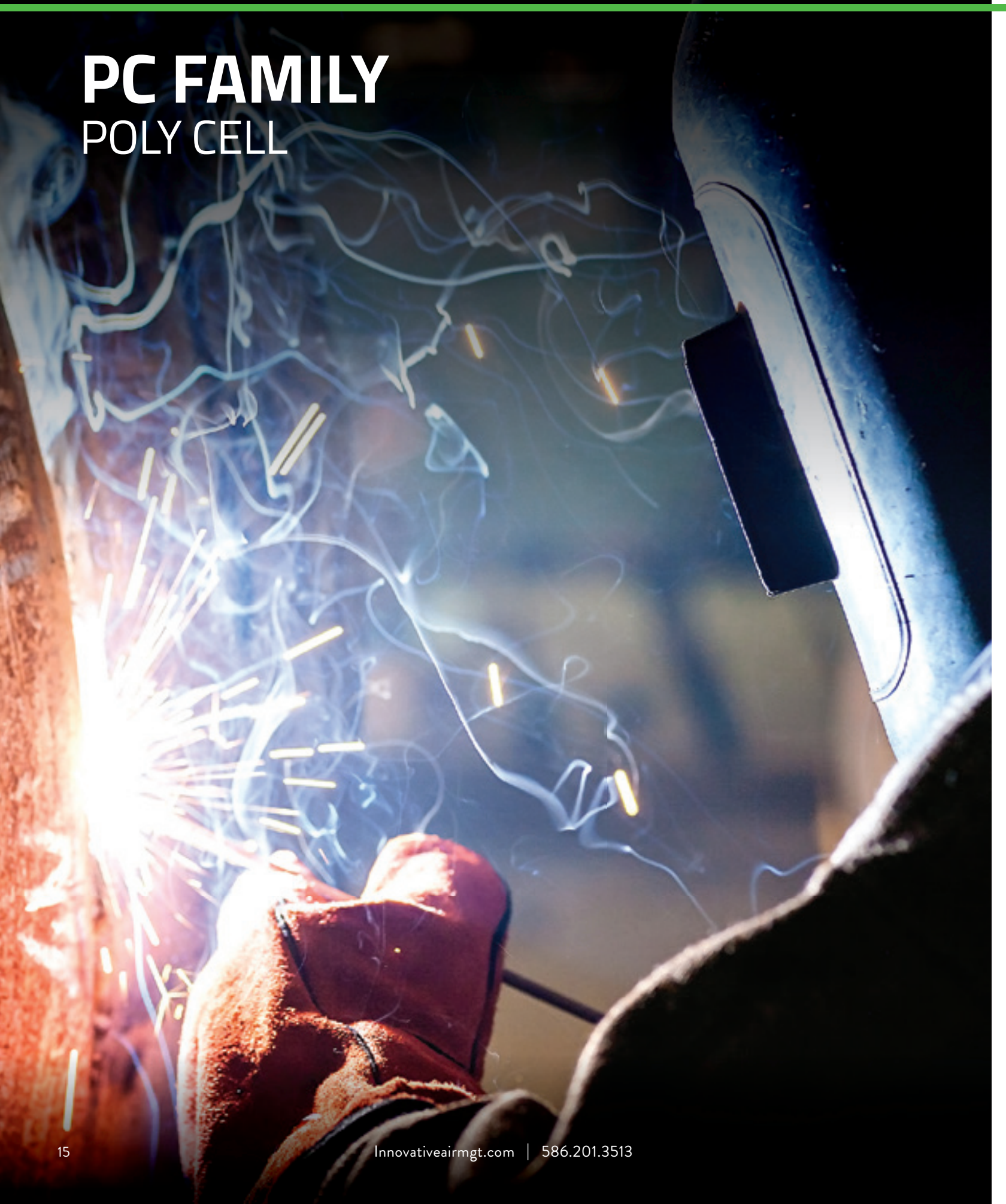
TR500-200

SPECIFICATIONS (200 GSM)	US	METRIC
MODEL	TR500-200	TR500-200
EFFICIENCY @0.33MICRON	99.99 %	99.99 %
EFFICIENCY (PER EN-1822)	E12	E12
BASIS WEIGHT	7.4 oz/yd ²	250 gsm
THICKNESS	0.026"	0.66 mm
TENSILE STRENGTH IN WARP	251 lb/2"	1120 N/5cm
TENSILE STRENGTH IN WAFT	152 lb/2"	680 N/5cm
MINIMUM MULLEN BURST	390 psi	2685 KPa
AIR PERMEABILITY	8.2 cfm/ft ² @0.5"wg	41 L/dm ² .min@200Pa
DUST HOLDING CAPACITY	0.5ft ² sample size = 65.03 grams @ 4"	
RESISTANCE (32 L/min)	0.076 in wg	198 Pa



PC FAMILY

POLY CELL





PC200-FR

FIRE RETARDANT

A Fire Retardant coating is applied to this corrugated poly-blended ePTFE media, and then the proprietary Flexi-Tex is permanently bonded to the substrate that will not allow delamination. The PC200-FR offers industries the lowest pressure drop in a HEPA grade E11 efficiency at an economical price. This 100% hydrophobic media is an upgrade to nanofiber products in durability and efficiency. The ePTFE membrane is permanently bonded to the substrate and offers excellent particulate release and is resistant to harmful chemicals and salt. The Poly-Blend base and proprietary Unstressed Membrane put this media in a class of its own.

FEATURES

- Fire Retardant
- Half of the cost of normal PTFE membrane
- Excellent Particulate Release
- Rotary Pleatable for Fast Production
- 100% Hydrophobic
- Low Pressure Drop (up to 40% lower)

APPLICATIONS

- Industrial air filtration
- Welding (Laser, Plasma)
- Stainless Steel Welding
- Pharmaceuticals
- Plating
- Food Processing,
- Powder Coating
- Cement

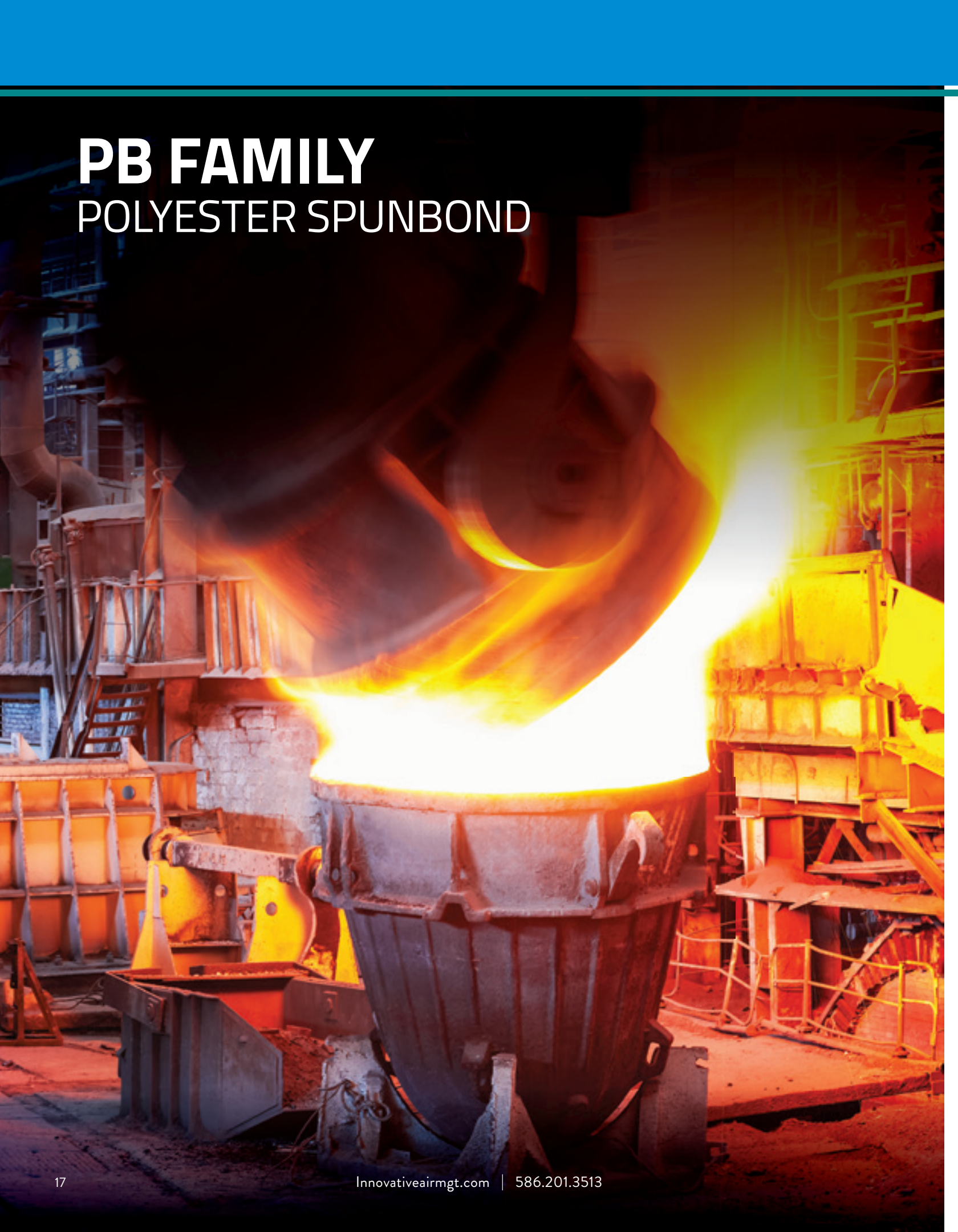
PC200-FR

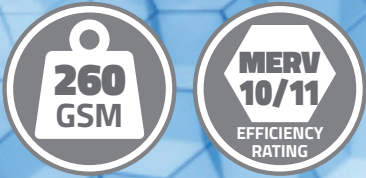
SPECIFICATIONS	US	METRIC
MODEL	PC200-FR	PC200-FR
EFFICIENCY @0.33MICRON	99.95 %	99.95%
EFFICIENCY @ MPPS	99.52 %	99.52%
EFFICIENCY (PER EN-1822)	E11	E11
BASIS WEIGHT	4.1 oz/yd ²	140 gsm
THICKNESS	0.0216"	0.55 mm
CORRUGATION DEPTH	0.0098	025 mm
TENSILE STRENGTH IN WARP	72 lb/2"	320 N/5cm
TENSILE STRENGTH IN WAFT	45 lb/2"	200N/5cm
MINIMUM MULLEN BURST	14.5 psi	100 KPa
AIR PERMEABILITY	7 cfm/ft ² @0.5"wg	35 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	0.88 in wg	220 Pa



PB FAMILY

POLYESTER SPUNBOND





PB360

100% TORAY AXTAR Spunbonded Polyester that will release dust and fine particulate even under moist and humid conditions. IAM's Bi-Component Spunbond Polyester has been engineered for strength and fine pore structure to produce high efficient filtration for the food industry, pharmaceuticals, powder coating, fine dust, welding smoke and more. The bi-component fibers add strength and abrasion resistance that will release dust over and over again, even under moist and humid conditions.

FEATURES

- Strong & Durable for abrasive applications
- 100% Synthetic
- Long Lasting
- Multiple Washings
- Toray Polyester Spunbond

APPLICATIONS

- Environmental Pollution
- Surface Technologies
- Coal Burning• Powder Coating
- Welding (Laser, Plasma)
- Cement
- Steel Mills
- Laser Cutting
- Plasma Cutting

PB360

SPECIFICATIONS	US	METRIC
MODEL	PB360	PB360
EFFICIENCY (PER EN-1822)	MERV 10/11	MERV 10/11
BASIS WEIGHT	7.7 oz/yd ²	260 gsm
THICKNESS	0.026"	0.65 mm
TENSILE STRENGTH IN WARP	247 lb/2"	1100 N/5cm
TENSILE STRENGTH IN WAFT	171 lb/2"	7600N/5cm
MINIMUM MULLEN BURST	200 psi	1380 KPa
AIR PERMEABILITY	18 cfm/ft ² @0.5" wg	90 L/dm ² .min@200Pa





PB360-AL

ALUMINUM

100% TORAY AXTAR Spunbonded Polyester that will release dust and fine particulate even under moist and humid conditions. An aluminum, anti-static coating is added to this Bi-Component Polyester which maintains a neutral charge that will minimize negative ion and electro-static build up on the filter element. IAM's Bi-Component Spunbond Polyester has been engineered for strength and fine pore structure to produce high efficient filtration for the food industry, pharmaceuticals, powder coating, fine dust, welding smoke and more. The bi-component fibers add strength and abrasion resistance that will release dust over and over again, even under moist and humid conditions.

FEATURES

- Neutralizes Electrostatic Charges
- Anti-static Aluminum Coating
- Strong & Durable for abrasive applications
- 100% Synthetic
- Long Lasting
- Multiple Washings

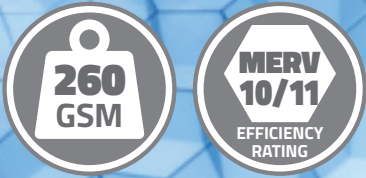
APPLICATIONS

- Laser Welding
- Plasma Welding
- Aluminum Welding
- Carbon Steel Welding
- Magnesium Processing
- Environmental Pollution
- Powder-Coating

PB360-AL

SPECIFICATIONS	US	METRIC
MODEL	PB360-AL	PB360-AL
EFFICIENCY (PER EN-1822)	MERV 10/11	MERV 10/11
BASIS WEIGHT	7.7 oz/yd ²	260 gsm
THICKNESS	0.024"	0.60 mm
TENSILE STRENGTH IN WARP	243 lb/2"	1080 N/5cm
TENSILE STRENGTH IN WAFT	184 lb/2"	820N/5cm
MINIMUM MULLEN BURST	406 psi	2800 KPa
AIR PERMEABILITY	21 cfm/ft ² @0.5"wg	105 L/dm ² .min@200Pa
SURFACE IMPEDANCE	≤ 60Ω	≤ 60Ω





PB300

A full synthetic washable media, IAM’s Bi-Component Spunbond Polyester has been engineered for strength and fine pore structure to produce high efficient filtration for the food industry, pharmaceuticals, powder coating, fine dust, welding smoke and more. The bi-component fibers add strength and abrasion resistance that will release dust over and over again, even under moist and humid conditions.

FEATURES

- Strong & Durable for abrasive applications
- 100% Synthetic
- Long Lasting
- Multiple Washings

APPLICATIONS

- Environmental Pollution
- Industrial Air Filtration
- Surface Technologies
- Coal Burning
- Powder Coating
- Welding (Laser, Plasma)
- Cement
- Steel Mills
- Compressor

PB300

SPECIFICATIONS	US	METRIC
MODEL	PB300	PB300
EFFICIENCY (PER EN-1822)	MERV 10	MERV 10
BASIS WEIGHT	7.7 oz/yd ²	260 gsm
THICKNESS	0.026"	0.67 mm
TENSILE STRENGTH IN WARP	214 lb/2"	950 N/5cm
TENSILE STRENGTH IN WAFT	157 lb/2"	700N/5cm
MINIMUM MULLEN BURST	326 psi	2250 KPa
AIR PERMEABILITY	31 cfm/ft ² @0.5" wg	155 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	0.22 in wg	54.2 Pa





PB300-AL

ALUMINUM

An aluminum, anti-static coating is added to this Bi-Component Polyester which maintains a neutral charge that will minimize negative ion and electro-static build up on the filter element. This anti-static bonding process is engineered to stop fires and explosions in particulate with high KST values. The bi-component fibers add strength and abrasion resistance that will release the neutralized dust over and over even under extreme conditions.

FEATURES

- Neutralizes Electrostatic Charges
- Anti-static Aluminum Coating
- Strong & Durable for abrasive applications
- 100% Synthetic
- Long Lasting
- Multiple Washings

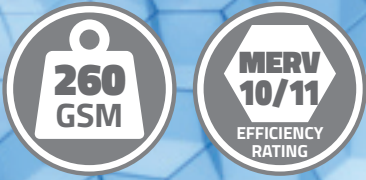
APPLICATIONS

- Laser Welding
- Plasma Welding
- Aluminum Welding
- Carbon Steel Welding
- Magnesium Processing
- Environmental Pollution
- Powder-Coating

PB300-AL

SPECIFICATIONS	US	METRIC
MODEL	PB300-AL	PB300-AL
EFFICIENCY (PER EN-1822)	MERV 10/11	MERV 10/11
BASIS WEIGHT	7.7 oz/yd ²	260 gsm
THICKNESS	0.024"	0.62 mm
TENSILE STRENGTH IN WARP	>213 lb/2"	>950 N/5cm
TENSILE STRENGTH IN WAFT	>180 lb/2"	>800N/5cm
AIR PERMEABILITY	32 cfm/ft ² @0.5"wg	160 L/dm ² .min@200Pa
RESISTANCE (32 L/min)	0.22 in wg	54.2 Pa
SURFACE IMPEDANCE	≤60Ω	≤60Ω





PB300-HO

HYDROPHOBIC & OLEOPHOBIC

A water and oil repellent treatment makes this Bi-Component Spunbond Polyester great for applications that require shedding of water and oil based particulates. Engineered for strength and fine pore structure, the HO treatment adds filter life for those tough humid applications. The bi-component fibers increase strength and abrasion resistance that will release dust over and over again, even under extreme moist and humid conditions.

FEATURES

- Neutralizes Electrostatic Charges
- Anti-static Aluminum Coating
- Strong & Durable for abrasive applications
- 100% Synthetic
- Long Lasting
- Multiple Washings

APPLICATIONS

- Industrial Air Filtration
- Environmental Pollution
- Steel Mills
- Coal Burning
- Powder Coating
- Welding
- Cement

PB300-HO

SPECIFICATIONS	US	METRIC
MODEL	PB300-HO	PB300-HO
EFFICIENCY (PER EN-1822)	MERV 10/11	MERV 10/11
EFFICIENCY @0.33MICRON	20.6%	20.6%
BASIS WEIGHT	7.7 oz/yd ²	260 gsm
THICKNESS	0.024"	0.62 mm
TENSILE STRENGTH IN WARP	>213 lb/2"	>950 N/5cm
TENSILE STRENGTH IN WAFT	>180 lb/2"	>800N/5cm
AIR PERMEABILITY	30 cfm/ft ² @0.5"wg	150 L/dm ² .min@200Pa



MEDIA

PLEATABLE FELTS





ARAMID PLEATABLE

NONWOVEN FELT WITH PTFE MEMBRANE

We've taken a nonwoven Aramid felt and formed it into a pleatable media for cartridge applications. For high temperature applications, the Aramid Pleatable with PTFE membrane offers all the properties of an Aramid felt into a pleatable media.

HIGH RESISTANCE TO

- Acids
- Alkalines
- Oxidization



ARAMID PLEATABLE NONWOVEN FELT WITH PTFE MEMBRANE

SPECIFICATIONS	US	METRIC
MODEL	MX-340-SF	MX-340-SF
COMPOSITION		
Fiber	ARD	ARD
Scrim	ARD	ARD
AREA WEIGHT	10 oz/yd ²	340 g/m ²
THICKNESS	0.04"	1.0 mm
AIR PERMEABILITY	40 cfm/ft ² @0.5"wg	200 L/dm ² .min@200Pa
TENSILE STRENGTH IN WARP	>242 lb/2"	>1100 N/5cm
TENSILE STRENGTH IN WAFT	>220 lb/2"	>1000N/5cm
TEMPERATURE		
Consistent	≤392°F	≤200°C
Peaks	≤428°F	≤220°C
EFFICIENCY (PER EN-1822)	MERV 11	MERV 11
SURFACE TREATMENT	STIFFENING	STIFFENING





PPS PLEATABLE

SHORT FIBER FELT WITH PTFE MEMBRANE

We've taken the PPS Short Fiber Felt and formed it into a pleatable media for cartridge applications. With ultra-high resistance to Acids, Alkalines and Hydrolysis, the PPS Pleatable offers extended protection and higher heat resistance than any PPS.

APPLICATIONS

- Cartridge filters to replace filter bags in high heat applications



PPS PLEATABLE

SHORT FIBER FELT WITH PTFE MEMBRANE

SPECIFICATIONS	US	METRIC
MODEL	PPS-340-SF-P	PPS-340-SF-P
COMPOSITION		
Fiber	PPS	PPS
Scrim	PPS	PPS
AREA WEIGHT	10 oz/yd ²	340 g/m ²
THICKNESS	0.32"	0.8 mm
AIR PERMEABILITY	10-14cfm/ft ² @0.5"wg	40-70 L/dm ² .min@200Pa
TENSILE STRENGTH IN WARP	>242 lb/2"	>1100 N/5cm
TENSILE STRENGTH IN WAFT	>220 lb/2"	>1000N/5cm
TEMPERATURE		
Consistent	≤320°F	≤160°C
Peaks	≤374°F	≤190°C
EFFICIENCY (PER EN-1822)	E10	E10
SURFACE TREATMENT	THERMAL RESISTANT STIFFENING with PTFE MEMBRANE	



MERV EFFICIENCY COMPARISON

ASHRAE STANDARD 52.2-1999				ASHRAE 52.1		EN	EN779:2012			EN1822
Composite Average Particle Size Efficiency % in Size Range, µm				Average Arrestance	Average Dust Spot Efficiency	Filter Class	Average Arrestance of Syn. Dust	Average Efficiency at 0.4 µm	Minimum Efficiency at 0.4 µm	Average Efficiency MPPS
	Range 1	Range2	Range3	NB. This standard is obsolete and here for reference only. Performances are not equivalent to ASHRAE 52.2 or EN779			Test Final DP 250Pa	Test Final DP 450Pa		
MERV	0.30-1.0	1.0-3.0	3.0-10.0	%	%	%	%	%	%	%
10	n/a	E2≥50	E3≥85	96	50-55	M5		40≤Em≤60		
11	n/a	E2≥65	E3≥85	97	60-65	M6		60≤Em≤80		
12	n/a	E2≥80	E3≥90	98	70-75	M6		60≤Em≤80		
13	n/a	E2≥90	E3≥90	98	80-85	F7		80≤Em≤90	35	
14	E1≥75	E2≥90	E3≥90	99	90-95	F8		90≤Em≤95	55	
15	E1≥85	E2≥90	E3≥90	99	95	F9		95≤Em	70	
16	E1≥95	E2≥95	E3≥95	100	99	E10				85
						E11				95
						E12				<99.5
						H13				<99.95
						H14				<99.995
						U15				<99.9995
						U16				<99.99995
						U17				<99.999995

Note: The final MERV value is the highest MERV where the filter data meets all requirements of that MERV.

PRODUCT CROSS COMPARISON

PRODUCT	EFFICIENCY RATING	SUBSTRATE
HIGH PERFORMANCE FILTRATION		
HP500-130	H13	Polyester Spunbond 130gsm
HP360-130	E11	Polyester Spunbond 130gsm
HP360-260	E11	Polyester Spunbond 260gsm
HP360-AL	E11	Aluminized Bi-Component Synthetic 260gsm
HP300	E11	Polyester Spunbond 260gsm
HP300-AL	E11	Aluminized Bi-Component Synthetic 260gsm
HP300-CB	E11	Carbon Impregnated Bi-Component Synthetic 260gsm
HP300-FR	E11	Fire Retardant Synthetic 260gsm
TURBINE/GENERATOR		
TR500-70	E12	3 Layer Synthetic 120gsm
TR500-130	E12	3 Layer Synthetic 180gsm
TR500-200	E12	3 Layer Synthetic 250gsm
POLY CELL		
PC200-CLR	E11	Corrugated Poly-blend
PC200-FR	E11	Corrugated Fire Retardant Poly-blend
POLY BOND		
PB360	MERV 10/11	Bi-Component Spunbond
PB360-AL	MERV 10/11	Aluminized Bi-Component Spunbond
PB300	MERV 10/11	Bi-Component Spunbond
PB300-AL	MERV 10/11	Aluminized Bi-Component Spunbond
PB300-CB	MERV 10/11	Carbon Impregnated Bi-Component Spunbond
PB300-HO	MERV 10/11	Water and Oil Repellent Polyester Spunbond

	INDUSTRIAL AIR FILTRATION	GAS TURBINE	WELDING/CUTTING	SURFACE TECHNOLOGIES	PHARMACEUTICAL	VACUUM HEPA	POWDERCOAT
	●		●	●	●	●	
	●		●	●	●	●	
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	●		●	●			●

INTELLIGENT SOLUTIONS FOR AIR MEDIA

JINYOU[®]



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