



# KOAFIL<sup>®</sup>

Filter media



Konus Konex Ltd., Production of power transmission and conveyor belts, non-woven materials and filters

Konus Konex is specialized in production of non-woven materials integrated in different types of industrial dust removal systems in variety of industries. Kofil high efficiency needle felts are made from high quality synthetic fibres and reinforced with supporting scrim. To reach the required property of material special mechanical and chemical treatments are used. Production process according to ISO 9001 standard and sustainable quality control assures our customer high quality products in order to meet their requirements.



▽ PES

**PE HGT** - Polyester needlefelt on polyester scrim support



▽ PES FF

**PE HGT FF** - Polyester fine denier fibres needlefelt on polyester scrim support



▽ PES MICRO

**PE HGT MICRO** - Polyester micro denier fibres needlefelt on polyester scrim support



▽ PES AGT

**PE AGT** - Polyester needlefelt blended with graphite fibres on polyester scrim support



▽ PES BT

**PE AGT BT** - Polyester needlefelt on antistatic stainless scrim support



▽ PE

**PE** - Polyester fibres needlefelt on polyester scrim support with FOOD CONTACT CERTIFICATE



▽ PP BT

**PP** - Polypropylene fibres needlefelt on polypropylene scrim support  
**PP AGT BT** - Polypropylene fibres needlefelt on polypropylene antistatic scrim support



▽ PP

**PP** - Polypropylene fibres needlefelt on polypropylene scrim support with FOOD CONTACT CERTIFICATE



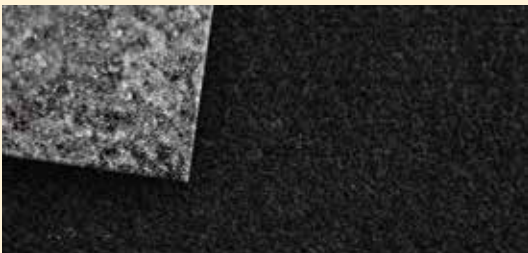
▽ PAN

**PAN** - Polyacrylonitrile fibres needlefelt - homopolymer  
**PAC** - Polyacrylonitrile fibres needlefelt - copolymer  
**PAN AKT** - Homopolymer polyacrylonitrile with antistatic needlefelt on PAN homopolymer scrim support



▽ PES PAN

**PES/PAN** - Blend of Polyacrylonitrile and Polyester fibres needlefelt on PE or PAN homo scrim support



▽ PZX

**PZX** - Special ANTI SPARK blend



▽ PPS

**PPS** - Polyphenylene sulfide fibres needlefelt on Polyphenylene Polyphenylene sulfide scrim support



▽ ARC

**ARC** - Special mAramide blends for ASPHALT mixing plants



▽ ARR

**ARR** - mAramide with recuperated mAramide fibres needlefelt on Aramide scrim support



▽ PI

**PI** - PI fibres needlefelt on PI or PTFE scrim support



▽ PTFE

**PTFE** - PTFE fibres needlefelt on PTFE scrim support

## Mechanical & chemical media surface treatment



▽ HT

**HT** - Singed surface for dust cake formation and its easier release



▽ OH

**OH** - Fluorocarbon finish for anti oil and water repellency and better cake release. Suitable for wet, fatty, agglomerating and sticky dust



▽ H2T

**H2T** - Working and clean side singed surface for better mechanical properties and easier cake release



▽ TF

**TF** - Fluorocarbon with PTFE resins heavy finish for increased water and oil repellency and difficult agglomerating dust



▽ HKT

**HKT** - Singed and calendered surface for better cake release



▽ FC

**FC** - PTFE felt impregnation finish for increased water and oil repellency, smooth chemically stable surface and excellent cake release



▽ HGT

**HGT** - Glazed surface for fine dust and increased cake release



▽ HPS

**HPS** - Microporous surface film protection for better filtration efficiency and very low emissions



# Liquid filter media

Woven and non-woven filtration materials used for different applications as food, chemical, pharmaceutical, metal and other industry.

## Liquid filtration materials

ARTICLE	COMPOSITION	ART	APPLIC.	WEIGHT	AIR PERMEAB. G/M2	THICKNESS L/DM2/MIN	FINISH MM
<b>WOVEN</b>							
PP 1	PP	M/M	G,CH,PH,I,F	360	30	0,7	W,H,T,K
PP 1D	PP	M/M	G,CH,PH,I,F	370	10	0,6	W,H,T,K
PP 29C	PP	M/M	G,CH,PH,I,F	300	30	0,45	W,H,T,K
PP 35	PP	M/M	G,CH,PH,I,F	320	150	0,7	W,H,T,K
PP 40	PP	M/M	G,CH,PH,I,F	425	60-80	1,15	W,H,T,K
PP 41	PP	M/M	G,CH,PH,I,F	450	70	1	W,H,T,K
PP 46	PP	M/M	G,CH,PH,I,F	460	200	1,5	W,H,T,K
PP 50	PP	M/M	G,CH,PH,I,F	510	20	0,8	W,H,T,K
PP 51	PP	M/M	G,CH,PH,I,F	550	10-15	1,1	W,H,T,K
PP 55	PP	M/M	G,CH,PH,I,F	560	30	1	W,H,T,K
PP 57	PP	M/M	G,CH,PH,I,F	550	3-5	1,1	W,H,T,K
PP 71	PP	M/M	G,CH,PH,I,F	430	900	1,7	H,T,K
PE 20/3	PES	M/M	G,CH,PH,I,F	220	120	0,3	W,H,T,K
PE 44	PES	M/M	G,CH,PH,I,F	445	33	0,55	W,H,T,K
PEK 20/3	PES-ANTISTATIC	M/M+A	PH	225	100	0,3	W,H,T,K
PEK 25	PES-ANTISTATIC	M/M+A	PH			0,3	W,H,T,K
PEK 30	PES-ANTISTATIC	M/M+A	PH	255	30	0,32	W,H,T,K
<b>NON-WOVEN</b>							
PP 450 TM	PP	NEEDLEFELT +SCRIM	G	450	120	1,6	H,T,K
PP 500	PP	NEEDLEFELT +SCRIM	G	500	130	1,9	H,T,K
PP 650 TM	PP	NEEDLEFELT +SCRIM	G	650	80	2,7	H,T,K
PE 130 K	PES	NEEDLEFELT	G,I	130	1100-1400	0,8	K
PE 150 K	PES	NEEDLEFELT	G,I	150	1800	1,4	K
<b>MICRON RATING</b>							
GPP 005	PP	NEEDLEFELT	CH,PH,F	500	110-200	3,1-3,5	H,T
GPP 010	PP	NEEDLEFELT	CH,PH,F	340-380	420-510	3,2-3,9	H,T
GPP 025	PP	NEEDLEFELT	CH,PH,F	340-380	690-810	3,0-3,4	H,T
GPP 050	PP	NEEDLEFELT	CH,PH,F	340-380	990-1110	3,2-3,6	H,T
GPP 100	PP	NEEDLEFELT	CH,PH,F	340-380	1190-1310	3,2-3,6	H,T
GPP 150	PP	NEEDLEFELT	CH,PH,F	340-380	1390-1510	3,2-3,6	H,T
GPE 001	PES	NEEDLEFELT	CH,PH,F	500	100	1,9-2,3	H,T
GPE 005	PES	NEEDLEFELT	CH,PH,F	300-340	360-420	1,2-1,6	H,T
GPE 010	PES	NEEDLEFELT	CH,PH,F	340-380	430-490	2,2-2,6	H,T
GPE 025	PES	NEEDLEFELT	CH,PH,F	350-390	520-580	2,3-2,7	H,T
GPE 050	PES	NEEDLEFELT	CH,PH,F	400-440	700-760	2,2-2,6	H,T
GPE 075	PES	NEEDLEFELT	CH,PH,F	380-420	800-900	2,0-2,5	H,T
GPE 100	PES	NEEDLEFELT	CH,PH,F	380-420	1000-1100	2,4-2,8	H,T
GPE 150	PES	NEEDLEFELT	CH,PH,F	350-390	1050-1150	2,4-2,8	H,T

ART - M/M (MULTI-MULTIFILAMENT)

APPLICATIONS - G (GENERAL), CH (CHEMICAL), PH (PHARMACEUTICAL), I (INDUSTRIAL), F (FOOD)

FINISH - H (HEAT SET), T (THERMOFIXED), K (CALENDERED), W (WASHED)

### Fiber - general characteristic

FIBER GENERIC TERM	COLOUR	DENSITY g/m <sup>3</sup>	CONTINUOUS OPERATING TEMP. °C	MAX SHORT DURATION TEMP. °C	MOISTURE REGAIN %
POLYESTER	WHITE	1,38	150	160	0,4
ACRYLIC (HOMOPOLYMER)	CREAM	1,15	125	140	1
META ARAMID	CREAM	1,38	180	200	4
POLYPROPYLENE	WHITE	0,91	90	100	0,1
PTFE	DARK BROWN / WHITE	2,30	250	260	0
POLYPHENYLENE SULFIDE	LIGHT BROWN	1,37	190	230	0,6
POLYIMIDE	GOLD	1,41	240	260	3

\* ACTUAL TEMPERATURE RESISTANCE DEPENDS ON RAW FILTER GAS

GENERAL

### Fiber - chemical resistance

FIBER GENERIC TERM	STRONG ACIDS	WEAK ACIDIS	STRONG ALKALIES	WEAK ALKALIES	SOLVENTS AGENTS	HYDROLISIS	OXIDING
POLYESTER	++	+++	+	++	+++	+	+++
ACRYLIC (HOMOPOLYMER)	+++	+++	++	+++	+++	+++	+++
META ARAMID	++	+++	+++	+++	+++	++	+++
POLYPROPYLENE	++++	++++	++++	++++	+++	++++	+++
PTFE	++++	++++	++++	++++	++++	++++	++++
POLYPHENYLENE SULFIDE	+++	+++	+++	+++	+++	++++	+
POLYIMIDE	+++	+++	++	+++	+++	+++	+++

+POOR ++FAIR +++GOOD ++++VERY GOOD

CHEMICAL



Konus Konex has in a field of ready made filter bag, sleeves and pockets more than 30 years of experiences. The filter media is selected after thorough understanding of the filtration process and expected results. To obtain a good bags operation and long working life time, it is most important that the filter elements have the optimum confection solutions.

Solving engineering , experienced and capability personnel are making Konus Konex the best for your filtration needs.

- Lab tests and reports
- Selection of filter media
- Project management
- Production of filters
- Installation
- Spare parts supply



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