

# Technical data sheet

**Media Type:** PE 350 EPI S

**Description:** Multifilament scrim-supported anti-static needle-punched felt

**Composition:** Polyester with anti-static carbon fibre blended

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		350+/- 10	gr/m <sup>2</sup> (average 370 gr/m <sup>2</sup> )
<b>Thickness</b>		1.2 +/- 0.3	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		20-22	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	70-90	kg/5cm width
	cross	80-90	kg/5cm width
<b>Max elongation</b>	down	45-65	% at break (KSK 0521)
	cross	45-65	% at break (KSK 0521)
<b>Bursting strength</b>		30-40	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & singed one side

**Note:**

This media is specially developed with higher air perm of 22 for flour milling process. The standard T1350 CASS has an air perm of 13>15.

# Technical data sheet

**Media Type:** PE 410 S

**Description:** Multifilament scrim-supported needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		410 +/- 10	gr/m <sup>2</sup>
<b>Thickness</b>		1.3 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		12.0-14.4	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	65-95	kg/5cm width
	cross	90-120	kg/5cm width
<b>Max elongation</b>	down	45-75	% at break (KSK 0521)
	cross	40-70	% at break (KSK 0521)
<b>Bursting strength</b>		30-45	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & singed one side

**Note:**

Estimated micron rating: 2 micron (-0+3) say 3 micron

# Technical data sheet

**Media Type:** PE 410 EPI S

**Description:** Multifilament scrim-supported anti-static needle felt

**Composition:** Polyester with anti-static carbon fibre blended

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		410 +/- 20	gr/m <sup>2</sup>
<b>Thickness</b>		1.40 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		10.8-13.2	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Tensile strength</b>	down	80 +/- 20	kg/5cm width
	cross	130 +/- 20	kg/5cm width
<b>Elongation</b>	down	70 +/- 10	% at break (KSK 0521)
	cross	55 +/- 10	% at break (KSK 0521)
<b>Bursting strength</b>		35 +/- 5	kg/cm <sup>2</sup>
<b>Operating temperature</b>		130	<sup>0</sup> c (dry heat)
<b>Max. surge temperature</b>		150	<sup>0</sup> c (dry heat)
<b>Surface resistance</b>		10 <sup>6</sup> - 10 <sup>8</sup>	ohm (ASTM D 257)
<b>Finish</b>			heat set & one side singed

# Technical data sheet

**Media Type:** T 1500 TS

**Description:** Multifilament scrim-supported needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		500 +/- 10	gr/m <sup>2</sup>
<b>Thickness</b>		1.7 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		8.4-10.8	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	80-110	kg/5cm width
	cross	110-140	kg/5cm width
<b>Max elongation</b>	down	65-95	% at break (KSK 0521)
	cross	50-80	% at break (KSK 0521)
<b>Bursting strength</b>		40-50	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & singed one side

# Technical data sheet

**Media Type:** PE 550 S

**Description:** Multifilament scrim-supported anti-static needle felt

**Composition:** Polyester with anti-static carbon fibre blended

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		550 +/- 20	gr/m <sup>2</sup>
<b>Thickness</b>		1.8 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		7.2-9.6	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Tensile strength</b>	down	110 +/- 20	kg/5cm width
	cross	130 +/- 20	kg/5cm width
<b>Elongation</b>	down	75 +/- 10	% at break (KSK 0521)
	cross	60 +/- 10	% at break (KSK 0521)
<b>Bursting strength</b>		40 +/- 5	kg/cm <sup>2</sup>
<b>Operating temperature</b>		130	<sup>0</sup> c (dry heat)
<b>Max. surge temperature</b>		150	<sup>0</sup> c (dry heat)
<b>Surface resistance</b>		10 <sup>6</sup> - 10 <sup>8</sup>	ohm (ASTM D 257)
<b>Finish</b>			heat set & singed one side

# Technical data sheet

**Media Type:** PE 640 S

**Description:** Multifilament scrim-supported needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		640 +/- 10	gr/m <sup>2</sup>
<b>Thickness</b>		2.0 +/- 0.1	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		5.4-7.8	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	95-135	kg/5cm width
	cross	170-210	kg/5cm width
<b>Max elongation</b>	down	80-100	% at break (KSK 0521)
	cross	65-85	% at break (KSK 0521)
<b>Bursting strength</b>		45-55	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & singed one side

**Note:**

Estimated micron rating: .005 micron (½)(-1/4+1/4) say 1 micron

# Technical data sheet

**Media Type:** PE 550 C

**Description:** Multifilament scrim-supported needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		550 +/- 10	gr/m <sup>2</sup>
<b>Thickness</b>		1.8 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		6.0-8.4	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	85-115	kg/5cm width
	cross	140-170	kg/5cm width
<b>Max elongation</b>	down	70-100	% at break (KSK 0521)
	cross	60-80	% at break (KSK 0521)
<b>Bursting strength</b>		40-50	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & one side glazed

# Technical data sheet

**Media Type:** PE 550 CC

**Description:** Multifilament scrim-supported needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		550 +/- 20	gr/m <sup>2</sup>
<b>Thickness</b>		1.6 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		4.8-7.2	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Tensile strength</b>	down	110 +/- 20	kg/5cm width
	cross	130 +/- 20	kg/5cm width
<b>Elongation</b>	down	75 +/- 10	% at break (KSK 0521)
	cross	60 +/- 10	% at break (KSK 0521)
<b>Bursting strength</b>		40 +/- 5	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & both sides glazed



# Technical data sheet

**Media Type:** PP 500 S

**Description:** Scrim-supported needle punched felt

**Composition:** 100% polypropolene

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		500 +/- 10	gr/m <sup>2</sup>
<b>Thickness</b>		1.8-2.0	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		8.4-10.8	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	80-120	kg/5cm width
	cross	120-160	kg/5cm width
<b>Max elongation</b>	down	65-95	% at break (KSK 0521)
	cross	55-75	% at break (KSK 0521)
<b>Bursting strength</b>		40-50	kg/cm <sup>2</sup>
<b>Finish</b>			heat set & singed one side

# Technical data sheet

**Media Type:** PE 500 EPIC

**Description:** Multifilament scrim-supported anti-static needle felt

**Composition:** Polyester with anti-static carbon fibre blended

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		500 +/- 10	gr/m <sup>2</sup>
<b>Thickness</b>		1.7-2.0	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		8.4-10.8	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	70-110	kg/5cm width
	cross	100-130	kg/5cm width
<b>Max elongation</b>	down	65-95	% at break (KSK 0521)
	cross	50-80	% at break (KSK 0521)
<b>Bursting strength</b>		35-45	kg/cm <sup>2</sup>
<b>Volume resistivity</b>		4% less than 10 <sup>6.5</sup> ohm.cm (ASTM D257)	
<b>Finish</b>		heat set & one side glazed	

# Technical data sheet

**Media Type:** PE 550 EPI S

**Description:** Multifilament scrim-supported anti-static needle felt

**Composition:** Polyester with anti-static carbon fibre blended

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		550 +/- 20	gr/m <sup>2</sup>
<b>Thickness</b>		1.8-2.0	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		7.2-9.6	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Tensile strength</b>	down	110 +/- 20	kg/5cm width
	cross	130 +/- 20	kg/5cm width
<b>Elongation</b>	down	75 +/- 10	% at break (KSK 0521)
	cross	60 +/- 10	% at break (KSK 0521)
<b>Bursting strength</b>		40 +/- 5	kg/cm <sup>2</sup>
<b>Operating temperature</b>		130	<sup>0</sup> c (dry heat)
<b>Max. surge temperature</b>		150	<sup>0</sup> c (dry heat)
<b>Surface resistance</b>		10 <sup>6</sup> - 10 <sup>8</sup>	ohm (ASTM D 257)
<b>Finish</b>			heat set & one side singed

# Technical data sheet

**Media Type:** PE 550 AF

**Description:** Multifilament scrim-supported anti-static needle-punched felt

**Composition:** 100% polyester with acrylic foam coating

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Colour</b>		white	
<b>Weight</b>		550 +/- 20	gr/m <sup>2</sup>
<b>Thickness</b>		2.0 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		12 +/-2	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	over 110	kg/5cm width
	cross	over 150	kg/5cm width
<b>Elongation</b>	down	40	% at break (KSK 0521)
	cross	80	% at break (KSK 0521)
<b>Bursting strength</b>		over 60	kg/cm <sup>2</sup>
<b>Pore size</b>		5-20	microns
<b>Operating temperature</b>		130	<sup>0</sup> c (dry heat)
<b>Max. surge temperature</b>		150	<sup>0</sup> c (dry heat)
<b>Resistance to acids</b>		Good	
<b>Resistance to alkaline</b>		Good	
<b>Finish</b>			Micro porous acrylic, foam-coated & water repellent treated

# Technical data sheet

## Liquid applications

**Media Type:** PEA 5

**Description:** Micron-rated liquid filtration needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Micron rate</b>		5	410 GSM
<b>Weight</b>		300-350	gr/m <sup>2</sup>
<b>Thickness</b>		1.5-2.1	mm under 20 gr/cm <sup>2</sup> pressure
<b>Standard width</b>		60 cm	
<b>Airpermeability</b>		55-85	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Breaking strength</b>	MD	over 220	Newtons
	CD	over 220	Newtons
<b>Elongation at max breaking strength</b>	MD	under 40	% at break (KSK 0521)
	CD	under 40	% at break (KSK 0521)
<b>Finish</b>			Singed one side

# Technical data sheet

## Liquid applications

**Media Type:** PEA 10

**Description:** Micron-rated liquid filtration needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Micron rate</b>		10	410 GSM
<b>Weight</b>		300-350	gr/m <sup>2</sup>
<b>Thickness</b>		1.5-2.1	mm under 20 gr/cm <sup>2</sup> pressure
<b>Standard width</b>		60 cm	
<b>Airpermeability</b>		85-125	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Breaking strength</b>	MD	over 220	Newtons
	CD	over 220	Newtons
<b>Elongation at max breaking strength</b>	MD	under 45	% at break (KSK 0521)
	CD	under 45	% at break (KSK 0521)
<b>Finish</b>			Singed one side

# Technical data sheet

## Liquid applications

**Media Type:** PEA 25

**Description:** Micron-rated liquid filtration needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Micron rate</b>		25	410 GSM
<b>Weight</b>		300-350	gr/m <sup>2</sup>
<b>Thickness</b>		1.2-2.1	mm under 20 gr/cm <sup>2</sup> pressure
<b>Standard width</b>		60 cm	
<b>Airpermeability</b>		130-210	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Breaking strength</b>	MD	over 220	Newtons
	CD	over 220	Newtons
<b>Elongation at max breaking strength</b>	MD	under 50	% at break (KSK 0521)
	CD	under 60	% at break (KSK 0521)
<b>Finish</b>			Singed one side

# Technical data sheet

## Liquid applications

**Media Type:** PEA 50

**Description:** Micron-rated liquid filtration needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Micron rate</b>		50	410 GSM
<b>Weight</b>		300-350	gr/m <sup>2</sup>
<b>Thickness</b>		1.7-2.5	mm under 20 gr/cm <sup>2</sup> pressure
<b>Standard width</b>		60 cm	
<b>Airpermeability</b>		170-250	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Breaking strength</b>	MD	over 220	Newtons
	CD	over 220	Newtons
<b>Elongation at max breaking strength</b>	MD	under 50	% at break (KSK 0521)
	CD	under 70	% at break (KSK 0521)
<b>Finish</b>			Singed one side



# Technical data sheet

## Liquid applications

**Media Type:** PEA 100

**Description:** Micron-rated liquid filtration needle felt

**Composition:** 100% polyester

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Micron rate</b>		100	410 GSM
<b>Weight</b>		425-485	gr/m <sup>2</sup>
<b>Thickness</b>		2.1-2.7	mm under 20 gr/cm <sup>2</sup> pressure
<b>Standard width</b>		60 cm	
<b>Airpermeability</b>		190-270	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Breaking strength</b>	MD	over 220	Newtons
	CD	over 220	Newtons
<b>Elongation at max breaking strength</b>	MD	under 95	% at break (KSK 0521)
	CD	under 100	% at break (KSK 0521)
<b>Finish</b>			Singed one side

# Technical data sheet

**Media Type:** NO 500 S

**Description:** Scrim-supported aramid needle-punched felt

**Composition:** 100% domestic aramid fibre

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		550 +/- 34	gr/m <sup>2</sup>
<b>Thickness</b>		2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		26-45	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Tensile strength</b>	MD	700 min	kg/5cm width
	CM	1300 min	kg/5cm width
<b>Bursting strength</b>		40 +/- 5	kg/cm <sup>2</sup>
<b>Heat shrinkage</b>	MD	2 max	232 <sup>0</sup> C for 1 hour
	CM	2 max	232 <sup>0</sup> C for 1 hour
<b>Operating temperature</b>		220	<sup>0</sup> c (dry heat)
<b>Max. surge temperature</b>		220	<sup>0</sup> c (dry heat)
<b>Finish</b>			one side singed

# Technical data sheet

**Media Type:** HT3

**Description:** Woven

**Composition:** 100% polyester Staple/Staple

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		320	gr/m <sup>2</sup>
<b>Airpermeability</b>		6	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Water permeability</b>		2550	l/m <sup>2</sup> /min @ 400mm static head
<b>Breaking load</b>		2000	N/5cm
<b>Finish</b>			heat set and scoured

# Technical data sheet

**Media Type:** ACR 500 S

**Description:** Homopolymer acrylic fibres with copolymer acrylic scrim-support

**Composition:** 100% polyester Staple/Staple

SAMPLES  
AVAILABLE  
ON REQUEST

<b>Weight</b>		500 +/- 20	gr/m <sup>2</sup>
<b>Colour</b>		Yellow	
<b>Thickness</b>		2.1 +/- 0.2	mm under 20 gr/cm <sup>2</sup> pressure
<b>Airpermeability</b>		9.5-12	m <sup>3</sup> /m <sup>2</sup> /min @ 12.7 mm W.G
<b>Max breaking strength</b>	down	60 +/- 10	kg/5cm width
	cross	70 +/- 10	kg/5cm width
<b>Elongation</b>	down	35 +/- 10	% at break (KSK 0521)
	cross	40 +/- 10	% at break (KSK 0521)
<b>Bursting strength</b>		30 +/- 5	kg/cm <sup>2</sup>
<b>Operating temperature</b>		125	<sup>0</sup> c (dry heat)
<b>Max. surge temperature</b>		150	<sup>0</sup> c (dry heat)
<b>Resistance to acid</b>		Very good	
<b>Resistance to alkaline</b>		Fair	
<b>Finish</b>			heat set & one side singed