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FELTS

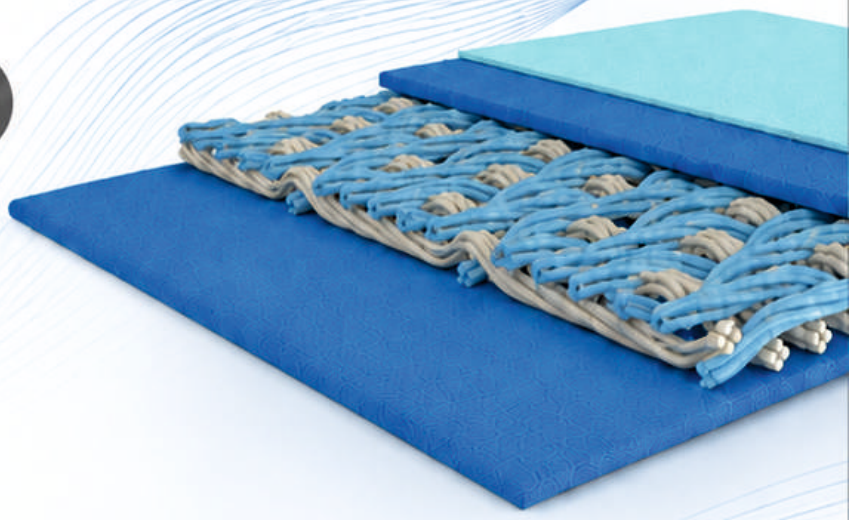
PRESS FABRICS

WEAVING EXCELLENCE,
DRIVING PERFORMANCE.



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FELTS

AQUAFLO



AQUAFLO is a permeable felt with a single layer base construction available in a variety of weave patterns combined with different yarn components.

The extensive design range allows the choice of optimum fabric design for a given application.

Optimum combination of weaves, MD and CMD yarns guarantee high dimensional stability.

APPLICATION

- Bottom pickup and baby press positions of multi cylinder mould machines.
- For presses with low press nip load upto 60Kg/Cm.
- Also suitable for bottom position in Tri-nip press for News print/ Writing printing grade machines.

FEATURES

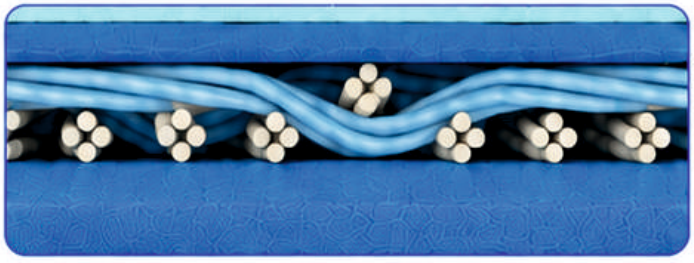
- Permeable base construction
- Better de-watering at uhlebox
- Flexible base structure
- Easy Sheet Pick up

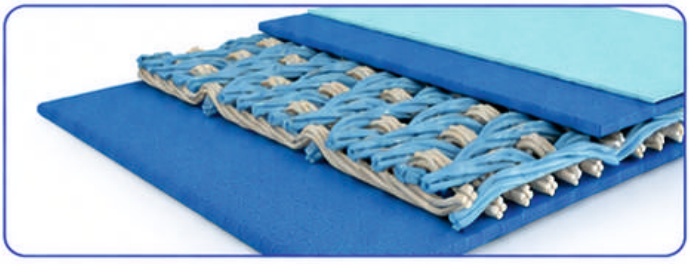
ADVANTAGES

- Easy drainage at press nip
- No crushing even at low vacuum.
- Easy to install.
- Lesser startup time

TECHNICAL SPECIFICATIONS

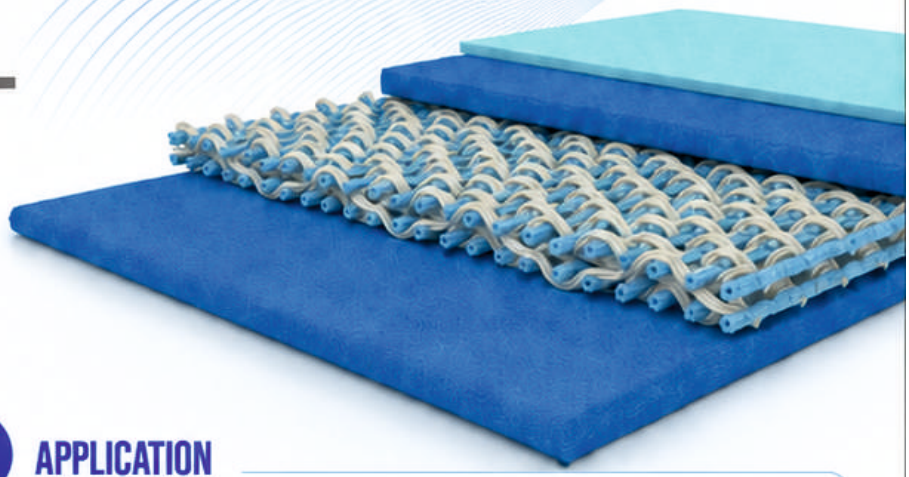
Permeability	:	50 –130 cfm
Basis weight	:	850 - 1200 GSM
Calliper	:	2.20 – 2.80 mm
Weave	:	Single layer
Treatment	:	Pre-compaction and wetting up treatment.





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AQUAVENT



AQUAVENT is an integrally woven double-layer felt. The base weave and MD/CD yarns are selected according to the specific application requirements.

The fabric construction is specially created to resist premature compaction, better water handling capacity and uniform pressure distribution on medium loaded presses.

APPLICATION

- Plain presses with medium nip load, for finer and specialty grades.
- Suitable for suction pick-up and second press position on medium speed bi-nip / uni-press.
- Most suitable for bottom position of tri-nip press for finer and newsprint grade.
- Suitable for machines with nip load up to 80Kg/Cm for kraft grade paper.
- Suitable for first press and second press top and bottom position on machines producing high BF kraft grade and duplex board.

FEATURES

- Higher composition of base fabric compared to single layer and conventional double layer
- Good void volume under load
- High compaction resistance
- High de-watering
- Compressible in press nip
- Good marking resistance
- Higher wear resistance

ADVANTAGES

- Good compaction characteristics.
- Improved water handling capacity
- Void volume is maintained for a longer period.
- Higher press solids.
- Fast start up
- Resists shadow / groove marking
- Good life expectations
- Excellent nip vs uhle box de-watering

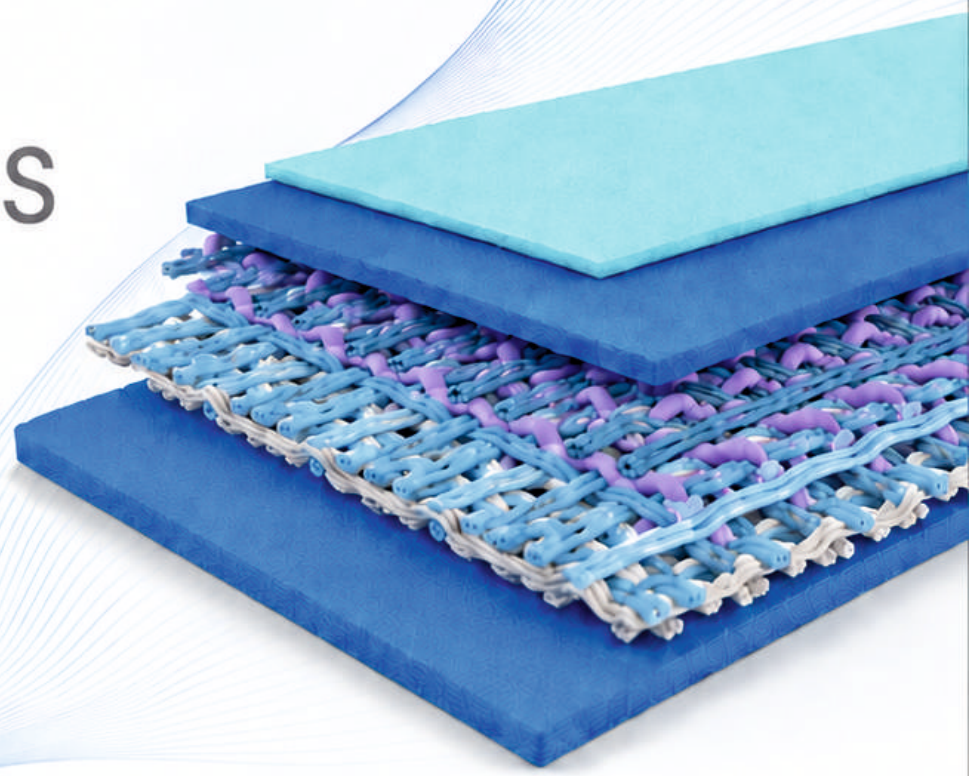
TECHNICAL SPECIFICATIONS

Permeability	:	40 – 90 CFM
Basis Weight	:	1250 – 1450 GSM
Calliper	:	2.90 – 3.20 mm
Weave	:	Double layer
Treatment	:	Pre-compaction and wetting up



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AQUAPLY-S



AQUAPLY-S is a double base laminated felt with two separate single layer bases.

Typical laminated (1+1) design consists of a bottom base for optimum void volume and load bearing properties and a suitable top base as per the application to create more uniform and even pressure distribution in the press nip.

APPLICATION

- Pick up and press position on high speed machines for fine paper and newsprint grades.
- High nip load press positions for finer paper.
- Suitable for all press positions with nip loads in the range of 100–150 kg/cm and for shoe press positions with nip loads up to 800 kg/cm.
- Suitable for bi-nip press manufacturing finer grade of paper and kraft paper.
- Suitable for conventional roll presses on packaging and board grades.

FEATURES

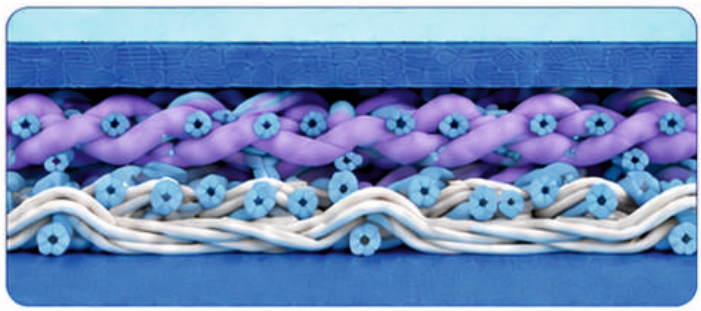
- Higher composition of base fabric compared to conventional double layer felt.
- Steady state performance.
- Compaction resistance.
- Non marking.
- Good surface characteristics.
- Uniform pressure distribution.

ADVANTAGES

- High de-watering level.
- Consistent de-watering throughout the life.
- Retention of void volume under high press nip load.
- Resists grooved and blind drilled roll marking.
- Better sheet smoothness.
- High sheet quality, better sheet smoothness and minimized two sided-ness.
- Better water handling capacity.

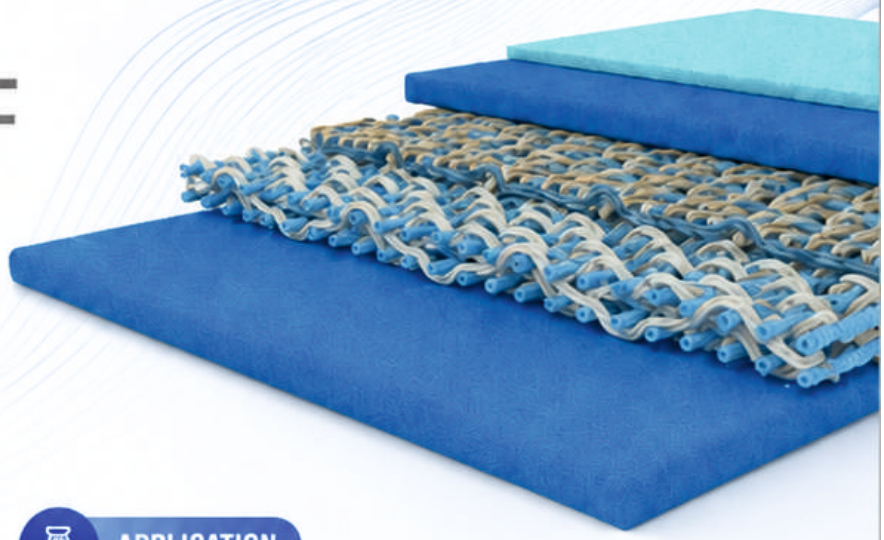
TECHNICAL SPECIFICATIONS

Permeability	:	30 - 80 CFM
Basis weight	:	1450 - 1650 GSM
Calliper	:	3.30 - 3.70 mm
Weave	:	Laminated twin base 1+1
Treatment	:	Pre-compaction & wetting up.



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AQUAPLY-F



AQUAPLY-F consists of a top single layer base structure laminated to a bottom double layer base structure.

The top and bottom base structures vary in weaves and MD and CMD yarn components depending upon the application requirements.

Usually this proven laminated (1+2) designs are supplied on pnsitions which demand high void volume, excellent compaction resistance and maximum water handling capacity.

APPLICATION

- Most suitable for board and packaging-grade paper machines where the press load is high, up to 450 kg/cm.
- Also suitable for shoe press positions with nip loads above 800 kg/cm.

FEATURES

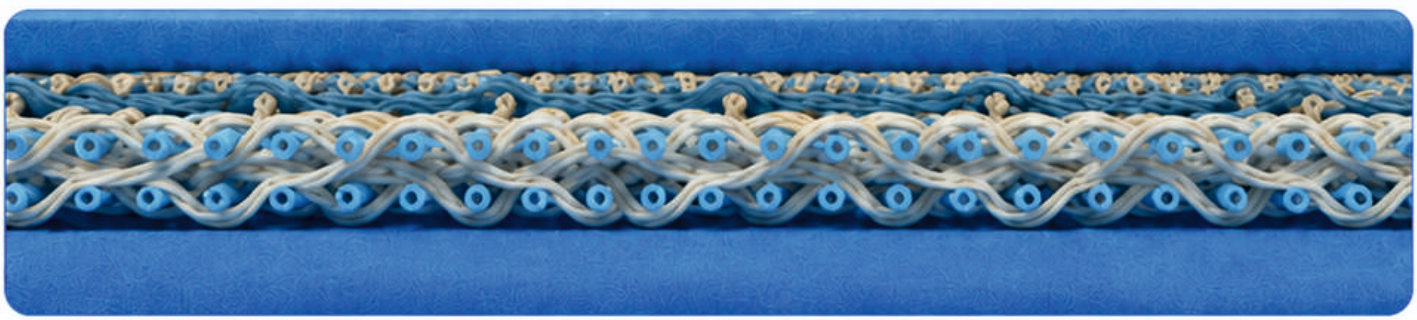
- Higher composition of base fabric compared to 1+1 laminated felt
- Steady state performance
- High compaction resistance
- Non- marking & finer surface
- Uniform pressure distribution
- High void volume & wear resistance

ADVANTAGES

- Very high de-watering level
- Consistent de-watering throughout the life
- Retention of void volume under high press nip load
- Excellent against sheet and roll marking
- Good sheet smoothness
- High sheet quality, better sheet smoothness and minimized two sidedness.
- Excellent water handling capacity & life expectations.

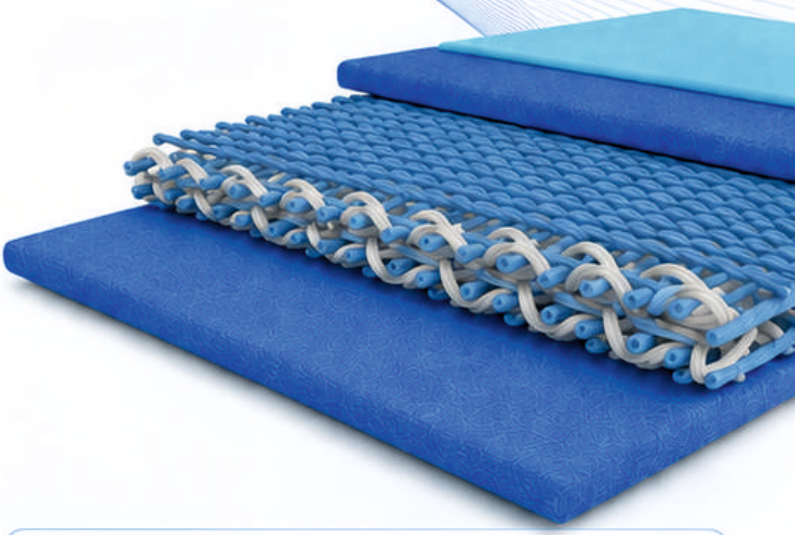
TECHNICAL SPECIFICATIONS

Permeability	:	30 - 70 CFM
Basis Weight	:	1700 - 2000 GSM
Calliper	:	3.70 - 4.30 mm
Weave	:	Laminated twin base 1 + 2
Treatment	:	Pre-compaction & wetting up



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XYLOCROSS



XYLOCROSS is a unique triple-layer (3-layer) woven base construction, comprising three MD yarn systems/ layers interconnected to provide excellent sheet support, drainage, stability, high void volume, compressibility and wear resistance.

The main feature of XYLOCROSS is the use of finer MD yarns on the surface side, which function as micro-foils to draw water into the felt rapidly and intensively.

XYLOCROSS felts are designed for fast start-up and improved nip dewatering compared with conventional laminated felts.



APPLICATION

- Suitable for press positions where nip de-watering is essential.
- Most suitable for vibration-prone press positions.

ADVANTAGES

- Water flow is optimally directed from paper to roll side.
- Less re-wetting and better pressure uniformity.
- Low air permeability to achieve better nip de-watering.
- More compressible and has low void volume.
- Better life & de-watering mainly in nip.
- Lowest transversal flow resistance.
- Fast start-up.

FEATURES

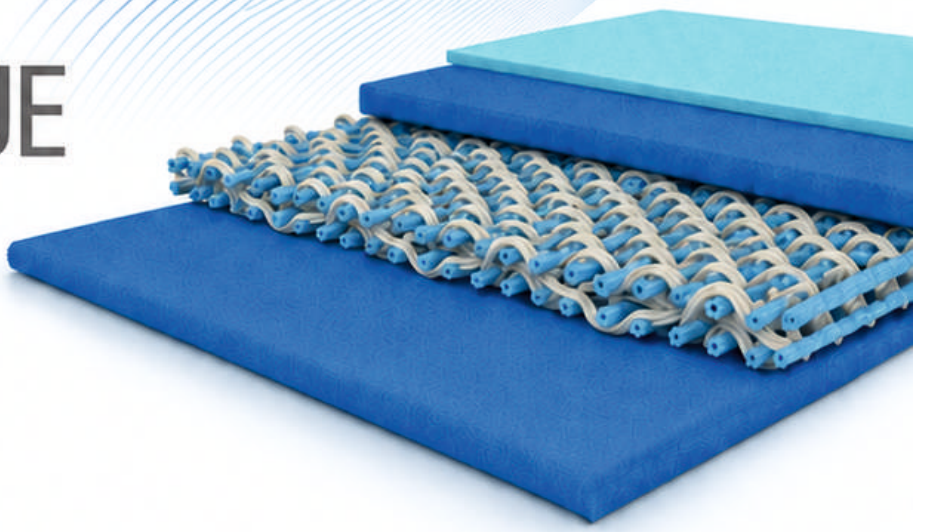
- Three different MD yarn systems interconnected with a single CD yarn system.
- Triple-layer woven construction.
- Excellent shock-absorption properties.
- High stability and drainage performance.

TECHNICAL SPECIFICATIONS

Permeability	:	30 - 50 cfm
Basis weight	:	1500 - 1700 GSM
Calliper	:	3.20 – 3.60 mm
Weave	:	Triple-Layer Woven
Treatment	:	Phe-compaction & wetting up

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XYLOTISSUE



Dinesh Felts has a wide range of felts for different tissue machine applications.

Different designs, base weave, yarn components and batt substrates are selectively and precisely adapted to the individual needs of the tissue machines.

Main categories of tissue felts are, Single layer, Double layer, Double base 1+1 Laminated.

APPLICATION

- Normal double layer most suitable for Crescent formers.
- Can also be used on single felted Fourdrinier machines of speed more than 500 MPM

ADVANTAGES

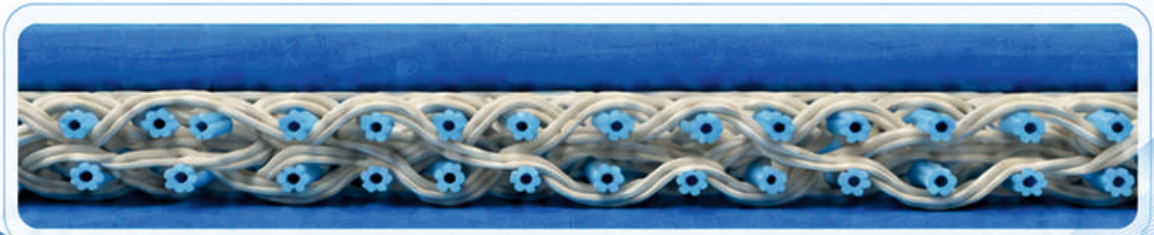
- High de-watering level
- Extremely uniform pressure distribution in nip
- Better sheet pickup and free of pin holes in paper
- Better life & no sheet marking
- Better sheet profile
- Excellent startup

FEATURES

- Woven double-layer base construction.
- Finer top surface of felt
- Wear resistance
- Non- marking
- Uniform pressure distribution
- Pre-compaction

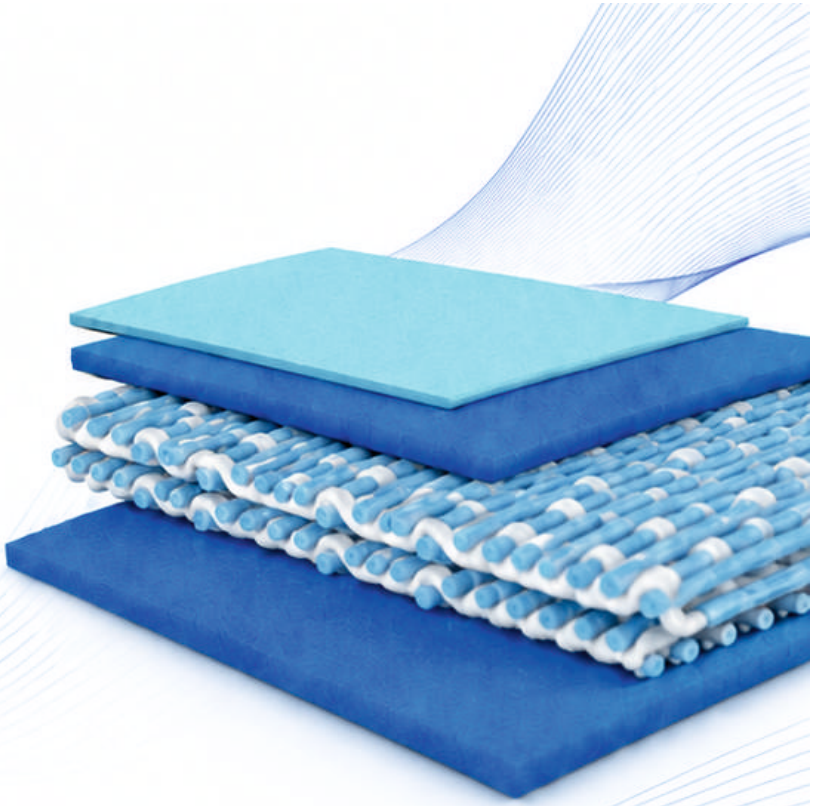
TECHNICAL SPECIFICATIONS

Permeability	:	15 – 40 CFM
Basis weight	:	1200 - 1300 GSM
Caliper	:	2.6 - 2.8 mm
Weave	:	Double layer
Treatment	:	High Pre compaction and wetting up



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XYLOTISSUE LAMINATED



Dinesh Felts has a wide range of felts for different tissue machine applications.

Different designs, base weave, yarn components and batt substrates are selectively and precisely adapted to the individual needs of the tissue machines.

Main categories of tissue felts are,
Single layer, Double layer, Double base 1+1 Laminated.

APPLICATION

- Suitable for 2nd press positions and can also be used on single-felted and double-felted Fourdrinier machines.

ADVANTAGES

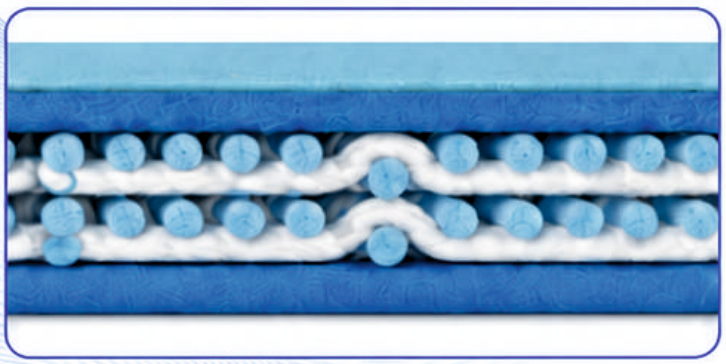
- High de-watering level
- Extremely uniform pressure distribution in nip
- Better sheet pickup and free of pin holes in paper
- Better life & no sheet marking
- Better sheet profile
- Excellent startup

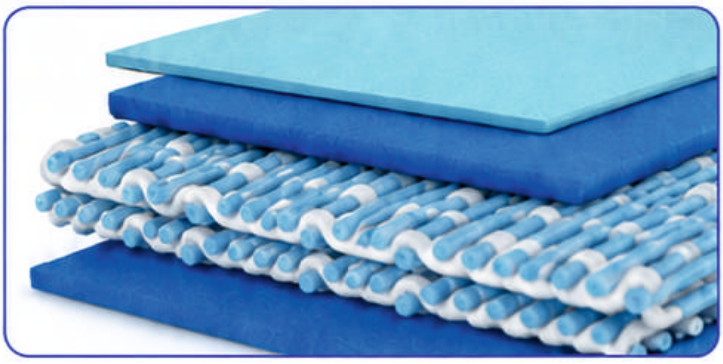
FEATURES

- Twin base laminated 1 + 1
- Fine top base
- Finer top surface of felt
- Wear resistance
- Non- marking
- Uniform pressure distribution
- Pre-compaction

TECHNICAL SPECIFICATIONS

Permeability	:	15 - 30 CFM
Basis weight	:	1250 - 1400 GSM
Caliper	:	2.6 - 2.9 mm
Weave	:	Double base 1+1 Laminated
Treatment	:	High Pre compaction and wetting up



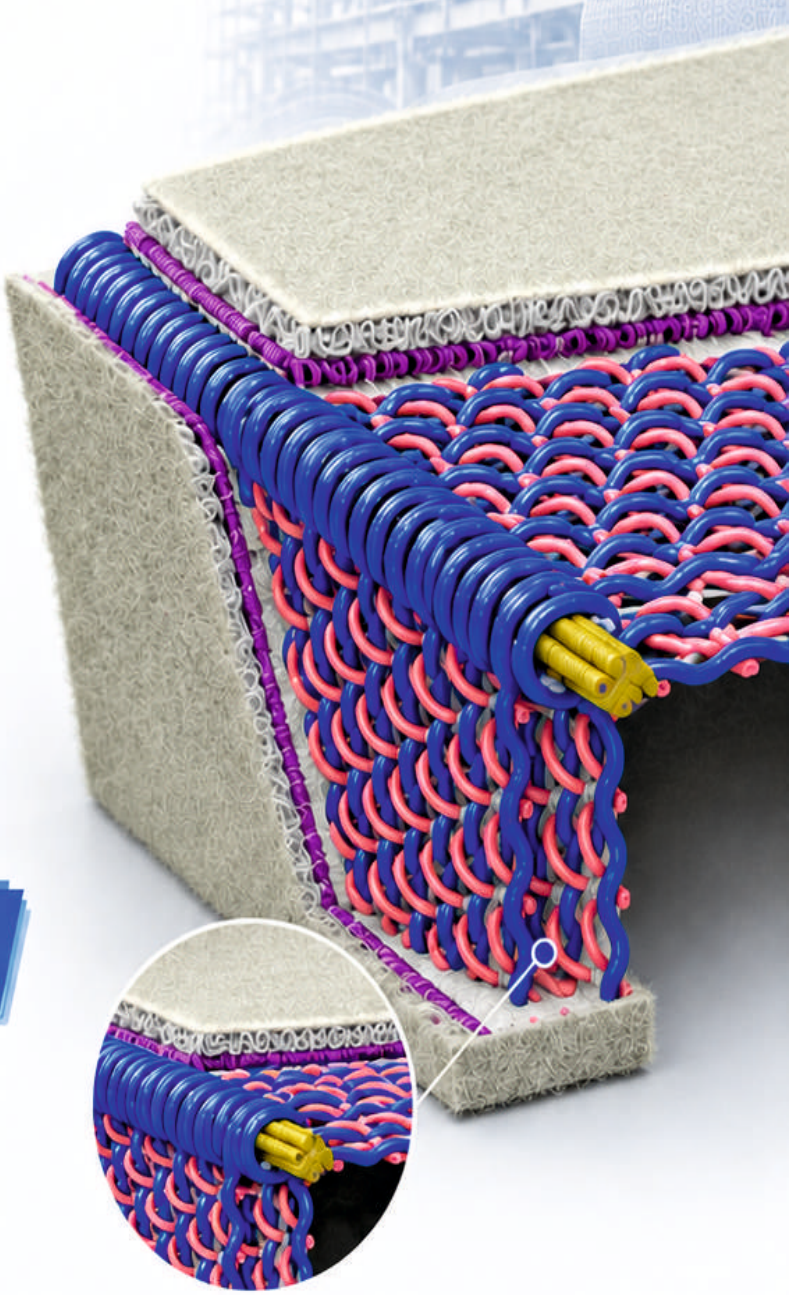


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NEW PRODUCT

SEAM FELTS

NOW AVAILABLE



Advanced seamed felt solutions engineered for easier installation, reduced downtime and dependable performance.

Easy Installation

Reduced Downtime

Reliable Performance

WHY DINESH FELTS

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Manufacturing strength, technical support and application expertise

Serving customers across Asia, the Middle East, Africa and other international markets.



60+ YEARS

of manufacturing heritage

400,000 SQ FT

manufacturing footprint

500 MT

annual manufacturing capacity

DEDICATED IN-HOUSE R&D

laboratory

GLOBAL-GRADE TESTING EQUIPMENT

for field diagnostics

EXPERT TECHNICAL FIELD TEAM

and structured value-added support

STRUCTURED TECHNICAL ENGAGEMENT

1. **DISCOVERY**
   Understand operations and performance baseline.
2. **GAP ANALYSIS**
   Identify gaps across the press section and key operating parameters.
3. **FEASIBILITY STUDY**
   Evaluate solutions, define goals and assess practicality.
4. **PROPOSAL & EXECUTION**
   Deliver roadmap, implement solutions and drive measurable performance improvements.

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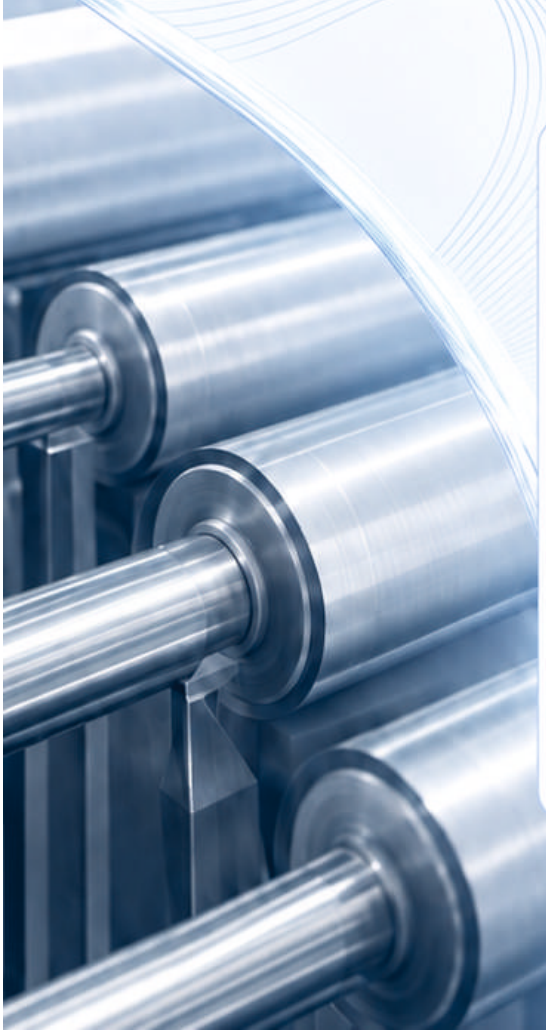
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