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DRYER FABRICS

WEAVING EXCELLENCE,
DRIVING PERFORMANCE.



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WEAVING EXCELLENCE, **DRIVING PERFORMANCE.**

TOP DRYER FABRIC PRODUCTS

High-performance dryer fabric solutions from Dinesh Felts



THERMOSTAR

- For conventional dryer groups on medium & high speed fine paper and newsprint machines
- Better heat transfer and improved drying performance
- High contact area, strong dimensional stability & good abrasion resistance



SIGMARUN-S

- Ideal for unirun positions on high and medium speed machines making lightweight paper and newsprint
- Facilitates sheet transfer and effective drying
- Low caliper, smooth surface, mark-free seam and better edge-ravel resistance



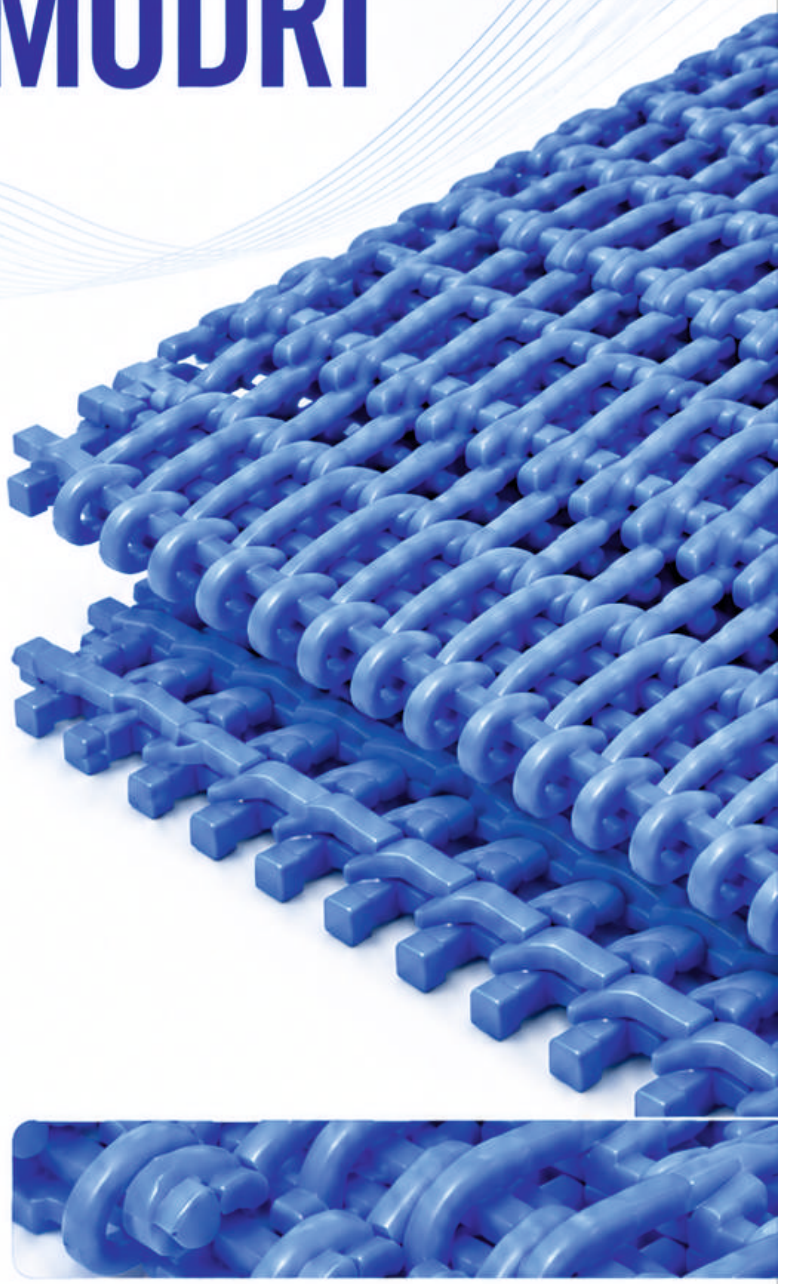
THERMOLINK-C

- Suitable for dryer positions on liner, fluting kraft, grey board and duplex board machines
- Excellent ventilation and effective drying
- High air permeability, easy installation and no seam marking

BETTER DRYING PERFORMANCE | LONGER FABRIC LIFE & LESS DOWNTIME | CONSISTENT QUALITY & RELIABLE OPERATION

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THERMODRI



APPLICATION

- Suitable for conventional dryer groups of slow and medium speed machines making writing printing paper and for high grammage grade duplex board.
- Suitable for conventional dryer groups having low or insufficient pocket ventilation.

ADVANTAGES

- Excellent stability and durability
- Stays clean and maintains permeability for longer time
- Maximizes heat transfer and facilitates better abrasion resistance
- Facilitates high evaporation and results in high drying
- Higher seam strength
- Easier to seam on machine and better resistance to edge raveling

FEATURES

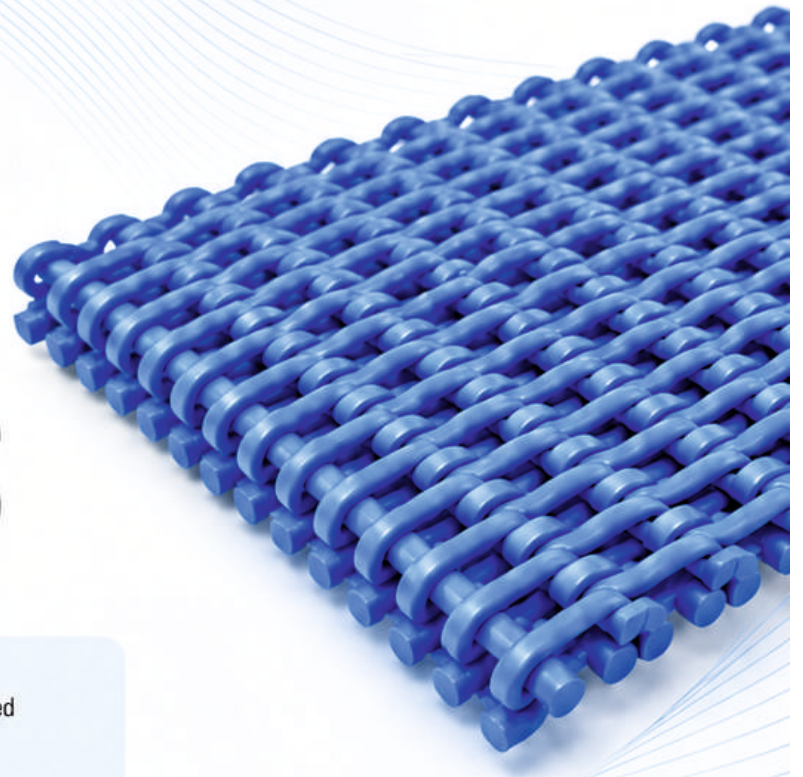
- Two and half layer construction
- All mono construction
- Large flat MD yarns
- More void and high air permeability
- Double density pin spiral seam
- Can be provided with zip seam assist
- Edges reinforced with PU resin

TECHNICAL SPECIFICATIONS

Air permeability	: 350–450 CFM
Basis weight	: 1280–1310 GSM
Caliper	: 1.80 mm
Weave	: 2.5 layer
Seam	: Pin-spiral seam

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THERMOPLUS

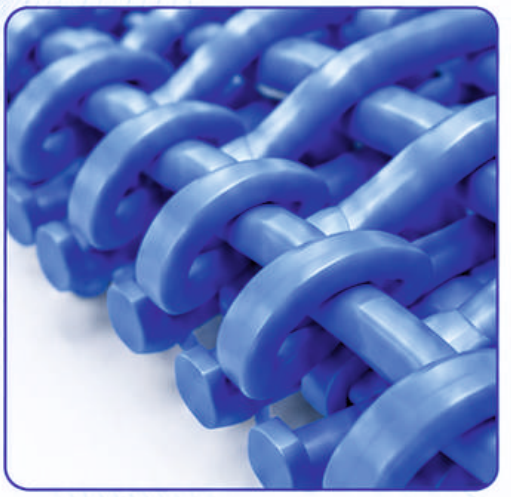


APPLICATION

- Suitable for conventional dryer groups of slow speed machines making writing and printing paper
- Suitable for conventional dryer groups having low or no pocket ventilation
- Suitable for high grammage grades like kraft, grey board and duplex board

ADVANTAGES

- Excellent stability and durability
- Stays clean and maintains permeability for longer time
- Maximizes heat transfer and facilitates better abrasion resistance
- Facilitates high evaporation and results in high drying
- Resists plugging and contamination and has high seam strength
- Easy to seam on machine and better resistance to edge raveling

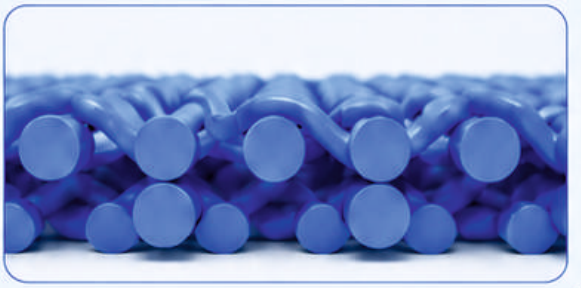


FEATURES

- Single layer construction
- All mono construction
- Large flat MD yarns
- More void and high air permeability
- Open structure
- Double density pin spiral seam
- Can be provided with zip seam assist
- Edges reinforced with PU resin

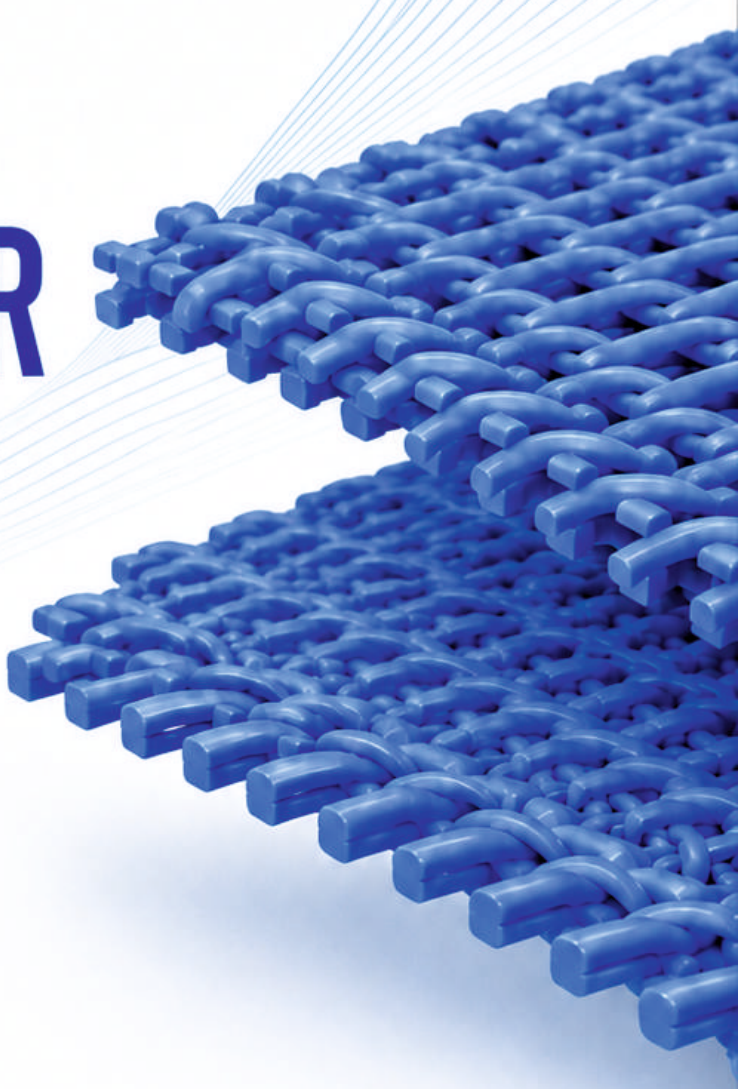
TECHNICAL SPECIFICATIONS

Air permeability	:	450 – 700 CFM
Basis weight	:	1050 – 1100 GSM
Caliper	:	1.70 mm
Weave	:	Single layer
Seam	:	Pin-spiral seam



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THERMOSTAR

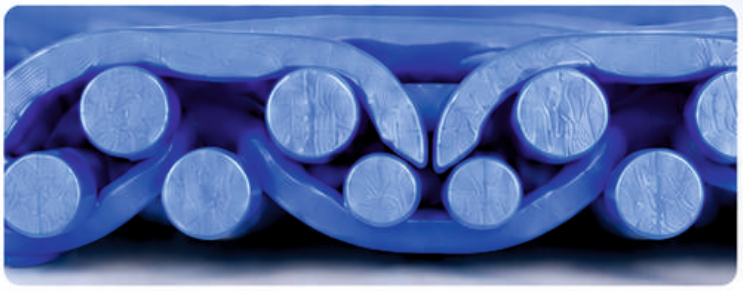


APPLICATION

- Widely used for conventional dryer groups of medium and high speed machines making fine paper and newsprint.
- Suitable for after size group dryer positions making LWC fine paper.
- Suitable for medium & slow speed unirun positions not critical for sheet blowing.

ADVANTAGES

- Better heat transfer and maintains drying and sheet quality
- Stays clean and maintains permeability for longer time
- Improved abrasion resistance
- Lesser risk of sheet marking and excellent dimensional stability
- More void volume providing higher evaporation
- High seam strength and easy to seam on machine
- Better resistance to edge raveling



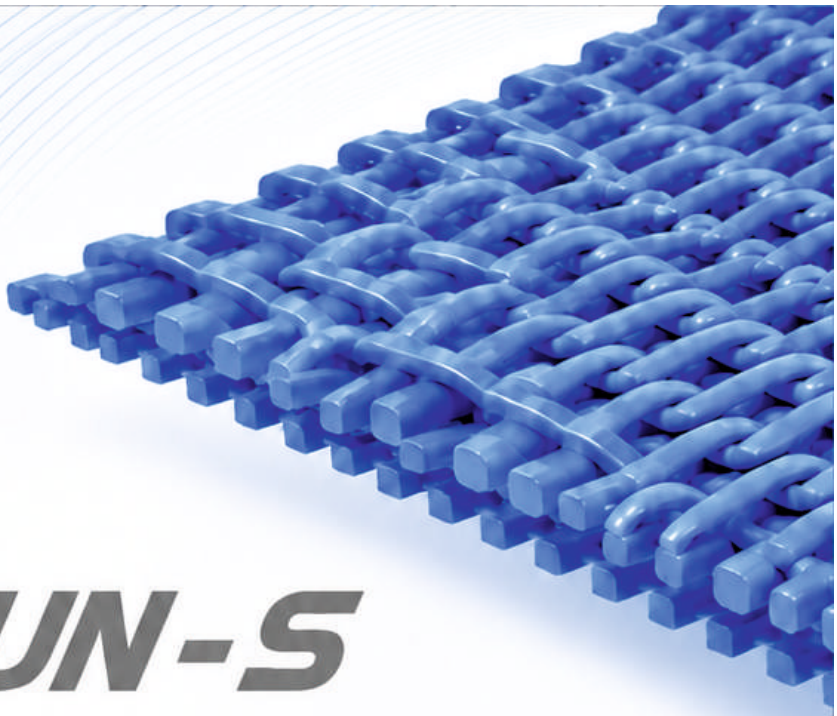
FEATURES

- All mono construction
- Robust construction with large MD flat mono
- Float weave construction
- Double density pin spiral seam
- Edges reinforced with PU resin
- Can be provided with zip seam assist
- High contact area on paper side
- Smooth paper side surface
- Reduced air carrying

TECHNICAL SPECIFICATIONS

Air permeability	: 150 – 300 CFM
Basis weight	: 1160 – 1200 GSM
Calliper	: 1.60 mm
Weave	: 1.5 layer
Seam	: Fine Pin-spiral (Inline seam)

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SIGMA RUN-S

APPLICATION

- Best suitable design for second and third unirun positions of high speed machine making light weight paper and newsprint.
- Suitable for unirun positions on medium speed machines making light weight paper and newsprint.
- Suitable for single tier positions of light weight paper and newsprint.

ADVANTAGES

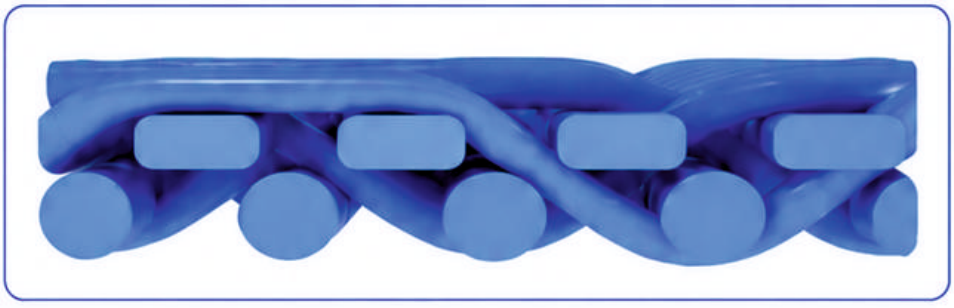
- Facilitates sheet transfers and effective drying
- Improved sheet moisture profile and sheet quality
- Reduced draw and less sheet stress and better contaminant and soil resistance
- No seam mark and good seam strength, easy to seam on machine
- Better resistance to edge raveling

FEATURES

- Minimal surface air carrying
- More open space on roll side for optimum air permeability
- Smooth surface
- Low caliper
- All flat mono yarn surface
- Mark free seam
- Can be provided with zip seam assist
- Edges reinforced with PU resin

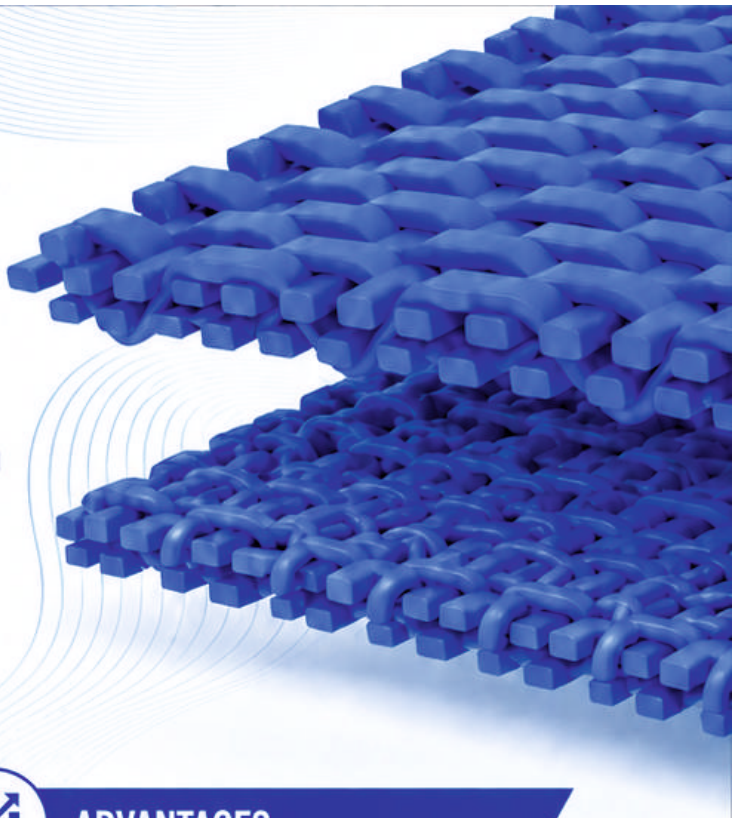
TECHNICAL SPECIFICATIONS

Air permeability	:	90 – 150 CFM
Basis weight	:	1225 GSM
Calliper	:	1.50 mm
Weave	:	1.5 layer
Seam	:	Fine Pin Spiral (Inline Seam)



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SIGMARUN-XF



APPLICATION

- Latest dryer fabric for unirun positions of high speed machine making light weight paper and newsprint
- Ideal for unirun positions on medium speed machines not equipped with sheet stabilizer boxes
- Ideal for initial positions of machines with single tier producing light weight paper and newsprint

ADVANTAGES

- Better sheet control particularly at transfers and no risk of sheet marking
- Maintains sheet moisture profile and sheet quality
- Better sheet stability
- Reduced draw and less sheet stress
- Better contaminant and soil resistance and no seam mark with high seam strength
- Easy to seam on machine and better resistance to edge raveling

FEATURES

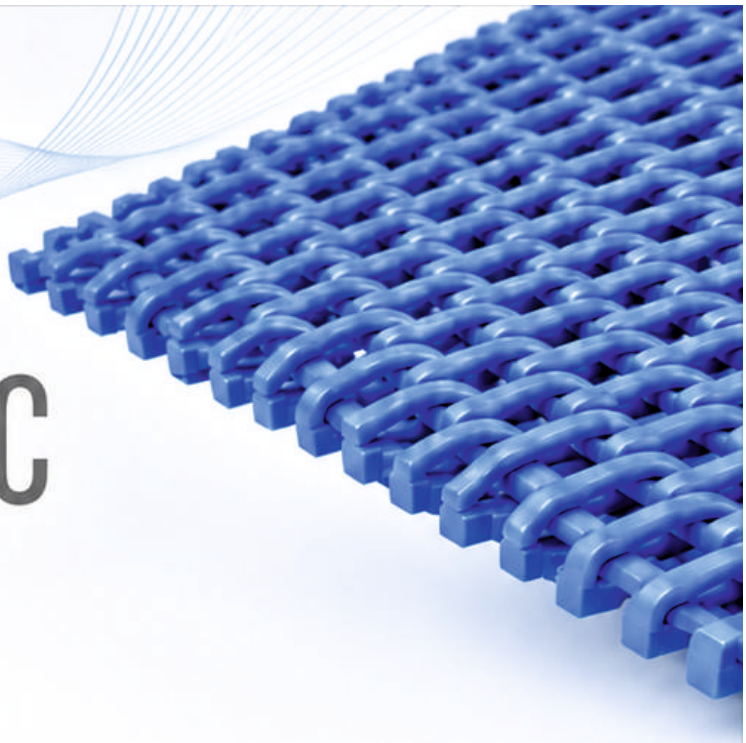
- Minimal surface air carrying
- High contact area
- 100% flat and smooth surface
- Low caliper
- All flat mono construction
- High density mark free seam
- Can be provided with zip seam assist
- Edges reinforced with PU resin

TECHNICAL SPECIFICATIONS

Air permeability	60–90 CFM
Basis weight	1260 GSM
Caliper	1.40 mm
Weave	1.5 layer
Seam	Fine Pin Spiral (Inline Seam)



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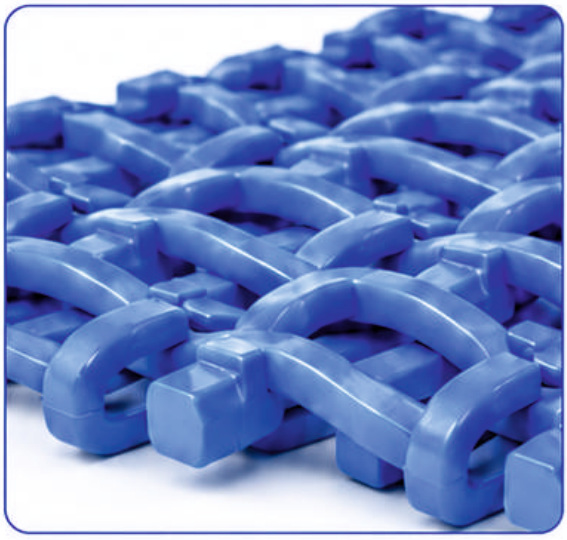
THERMOLINK-C

APPLICATION

- Widely used dryer fabric for all dryer positions of liner and fluting kraft, and grey board machines
- Suitable for duplex board in later dryer groups

ADVANTAGES

- Higher surface contact area and very good resistance against abrasion and moist heat
- Extremely good ventilation and effective drying
- Easy for installation
- No thermal shrinkage/elongation and maintains properties for longer time against heat and moisture
- Easy to seam on machine and very high resistance to plugging and contamination
- Can be rejoined easily at customers end if damaged
- No risk of seam failure and seam marking

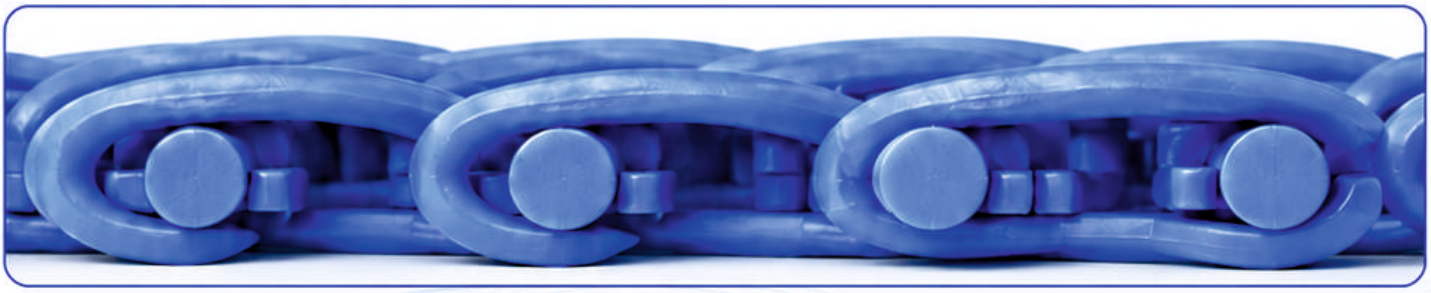


FEATURES

- Knuckle free plane surface
- High air permeability
- Flexible
- High heat stabilized
- Spirally linked
- No seam
- Edges reinforced with PU resin

TECHNICAL SPECIFICATIONS

Air permeability	: 800 – 1000 CFM
Basis weight	: 1400 – 1600 GSM
Calliper	: 2.50 – 2.70 mm



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SEAM TYPES

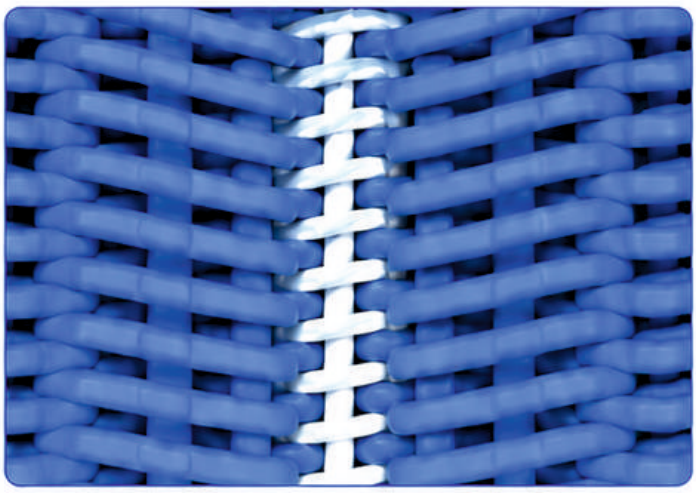
Dryer fabrics are supplied open-ended and made endless by joining by seam on the paper machine.

1 IN-LINE SPIRAL SEAM

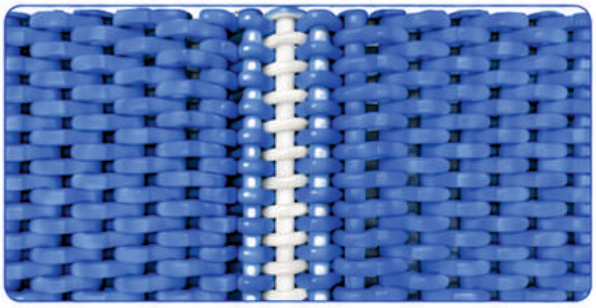
This seam is made by inserting spiral mono into the fabric and weaving it back into the body of the fabric, making it in-line.

In-line seam offers non-marking performance, low caliper, no stitches to give way during run, and better durability/ seam strength than pin seam or fine loop seam.

Different sizes of spirals from coarse to ultra-fine in round and flat mono can be used depending on application requirements.



2 DOUBLE DENSITY PIN SPIRAL SEAM



This seam uses pin spirals with increased pin density around the seam zone to add extra strength and stability.

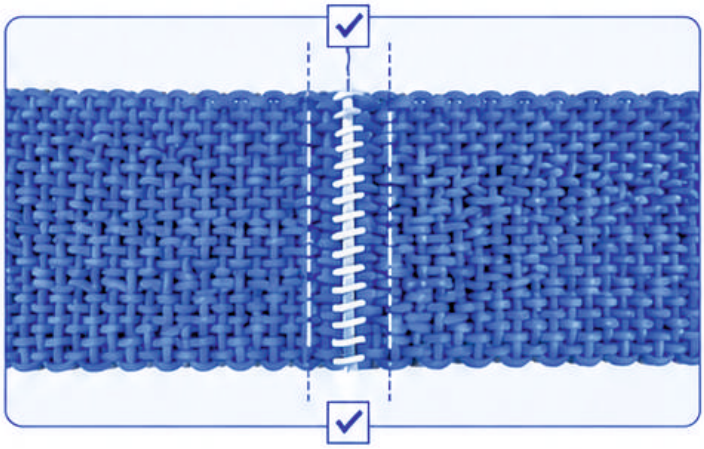
It is suitable for demanding running conditions where higher seam strength and better load distribution are required.

3 IMPORTANT POINTS FOR SEAMING

Seaming is done with temporary joining aids such as Velcro straps or a zipper assist.

The two ends of the seam are aligned before the seaming aid is joined.

Check-marks should be aligned during seaming.



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

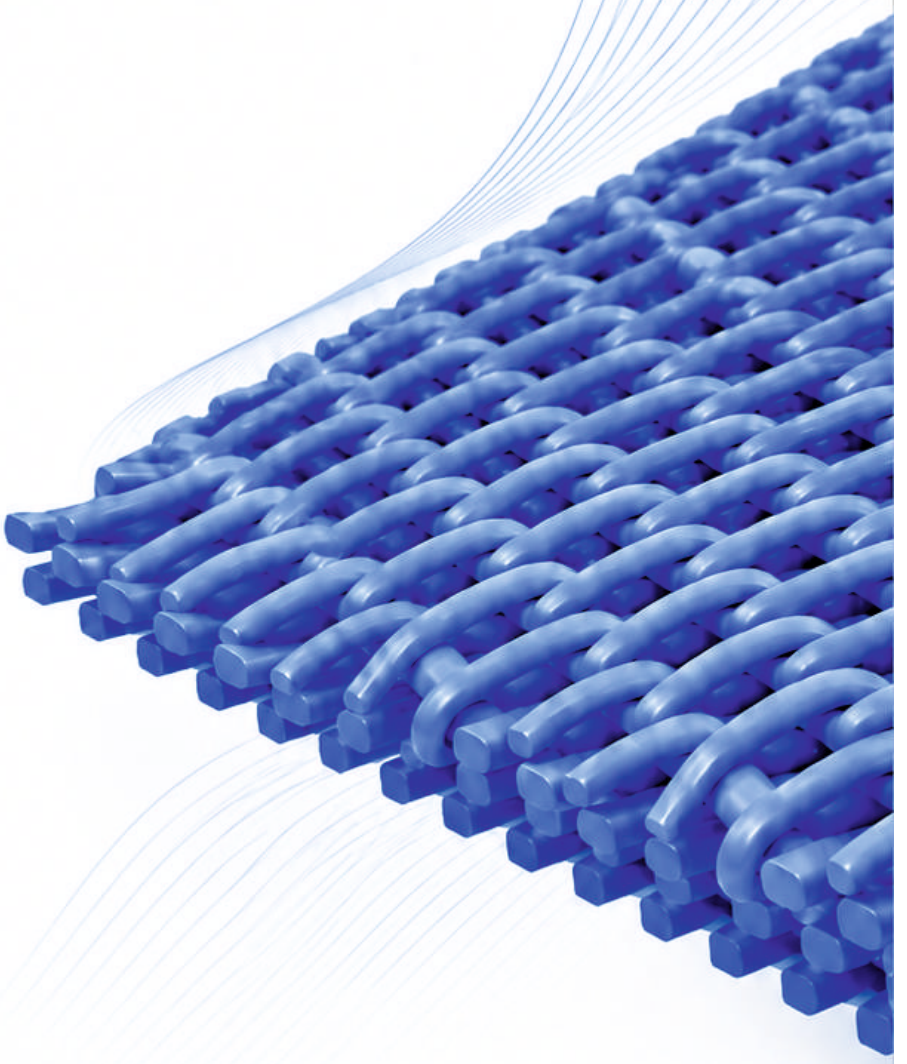
STRUCTURED TECHNICAL ENGAGEMENT

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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GET IN TOUCH

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