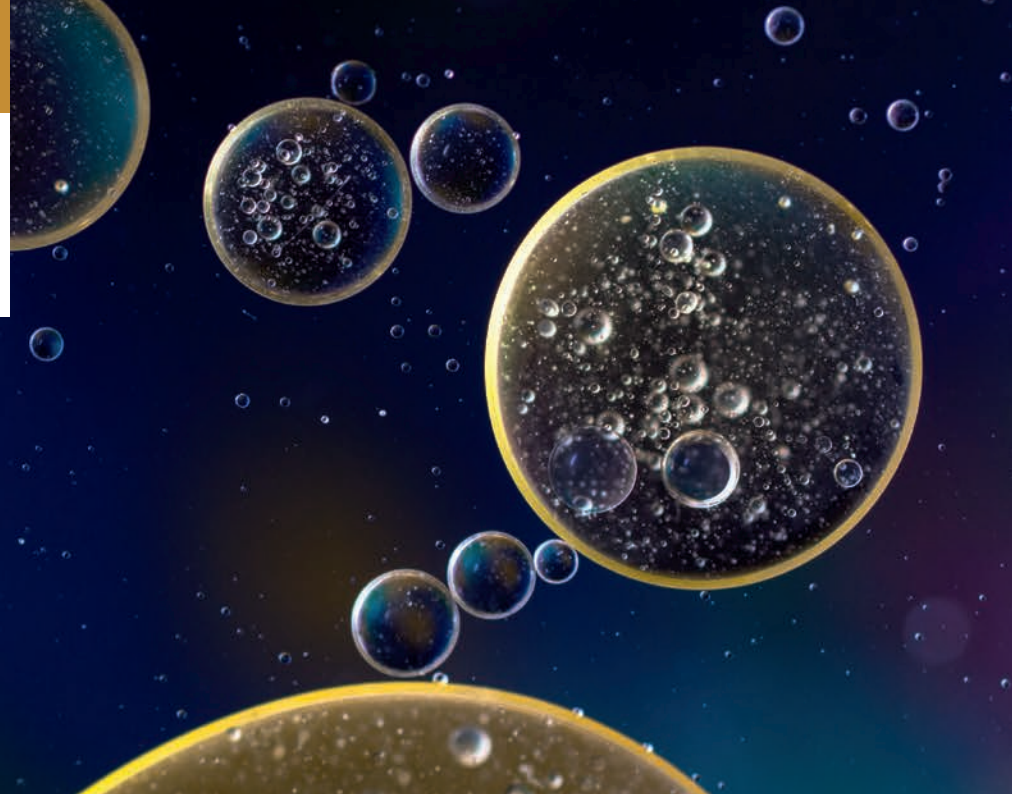
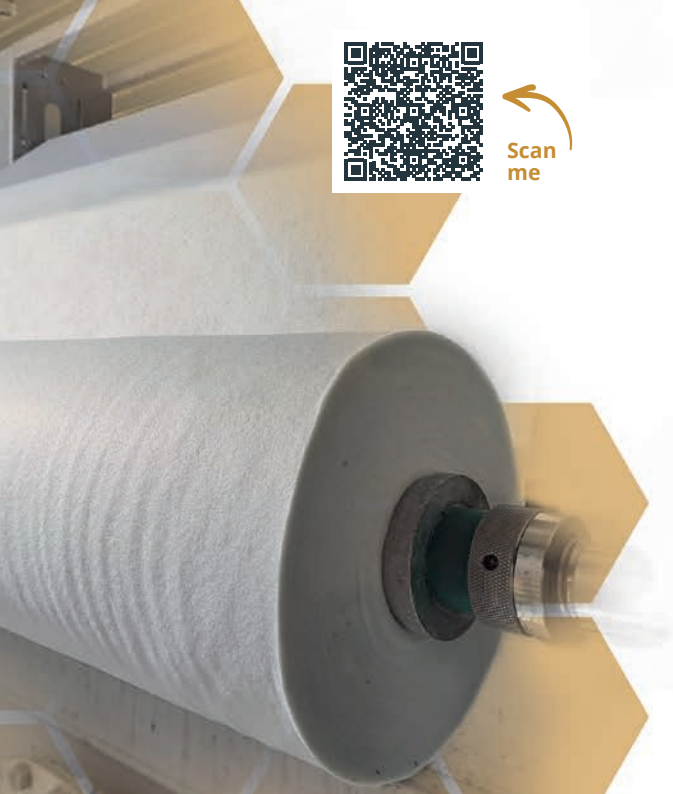
FILTRATION LINE

Norafin®

materials for life

Reliable LIQUID filtration





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Filter media for belt filters

Depending on the application, we produce an efficient spunlace filter media for surface filtration or we can offer a needle punched product with high absorption for depth filtration.

- **Wide product range for different filter systems**
- **Constant high quality direct from the producer**
- **Stable and reliable availability**
- **Personal support for technical challenges and problems**
- **Products are available in different widths and sleeve diameters**

TYPICAL APPLICATIONS:

Gravity belt filters

Inclined belt filters

Compact belt filters

Vacuum filters

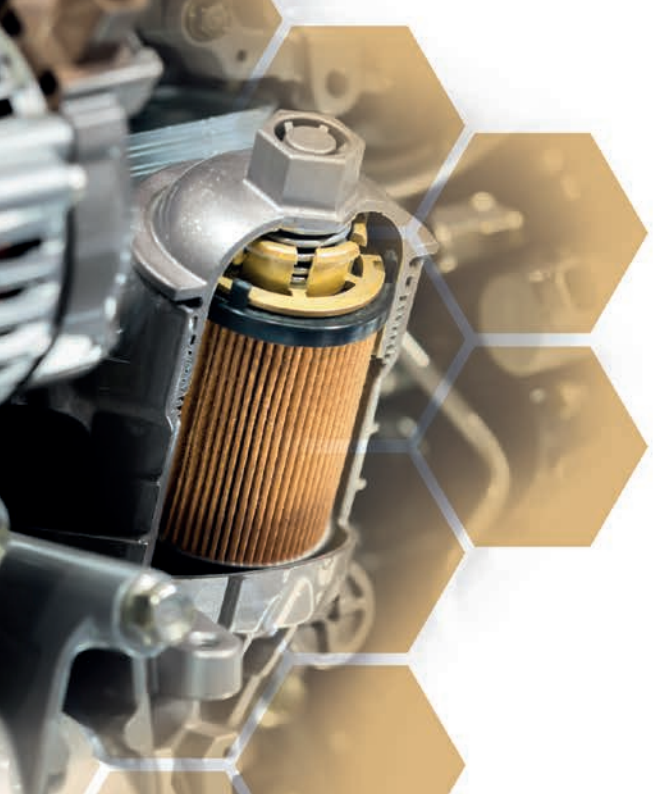
Pressure belt filters

NEEDLE PUNCH*	01908.99 PET/ PET Bico	00061.99 PET	01854.99 PET/ PET Bico	00175.99 PET	02153.99 PET/ PET Bico	01904.99 PET/ PET Bico	01709.99 PET	02434.99 PET
Weight (g/m²)	80	100	130	150	150	150	280	150
Thickness (mm)	1.14	1.73	1.23	1.31	1.56	3.28	2.57	1.5
Air flow (l/dm²/min)	2,545	1,270	1,584	1,960	1,430	2,340	873	2,250
Pore size (µm)	57	48	67	57	46	150	28	29

HYDRO-ENTANGLED*	01788.99 PET/ PET Bico	01789.99 PET/ PET Bico	01790.99 PET/ PET Bico	02095.99 PET
Weight (g/m²)	50	70	100	100
Thickness (mm)	0.5	0.7	0.9	1.6
Air flow (l/dm²/min)	2,800	2,300	1,600	4,500
Pore size (µm)	130	65	60	134

* Other alternatives are possible on request

Norafin® CRYSTALEN



Filter media for fuel filtration

Our nonwovens, engineered for fuel and lubricant filtration, prevent the finest contaminates or water from penetrating the engine.
Especially when it comes to keeping diesel fuel clean, the highest requirements apply, which our filter nonwovens meet, e.g. in the filtration of additives.

- **Nonwovens for each type of drive**
- **Very good separation of fine particles and other contaminations**
- **Long lifetime**
- **Warranty of a stable flow rate**

Filter media for coalescing applications

Norafin provides customer specific nonwoven solutions. These can prevent deposits of solid particles and aerosols in machines or system components. Used in coalescing filters, our filter media prevent penetration of the finest oil droplets and keep the ambient air clean, thus extend the service life of the equipment and maintenance cycles.

TYPICAL APPLICATIONS:

Grinding machines

dipping or cooling baths

electric discharge machining

milling machines

drilling machines

- **high durability, stability and reliability during operation**
- **Flow rates from 50 to 3000 l/dm²/min**
- **customized solutions**

Filter media for the Food Industry

As the highest level of purity is required in the food industry, we develop appropriate solutions for efficient filter nonwovens in close coordination with our customers' requirements.

- **100% food grade (FDA and EU certification)**
- **durable, effective and cost-saving**
- **customized solutions**
- **processing of cellulose-based fibers (viscose) with FSC™-certification for various applications**

AREAS OF APPLICATION:

Drinking water production

Breweries

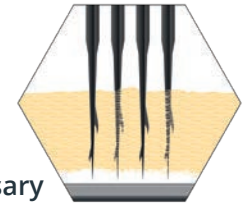
Oil production

Beverage industry

Milk filtration

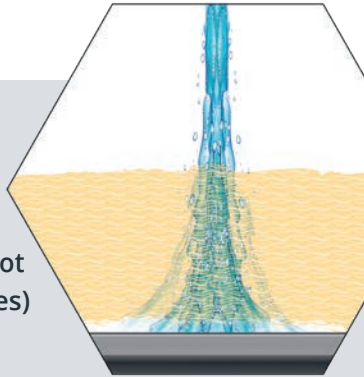
Technology comparison

Needle Punch



- **Higher pore size through strengthening process** (higher weights are necessary to achieve the desired separation efficiency)
- **Some of the dust cake remains in the filter media after dedusting** (no entire dedusting possible)
- **Limited choice of support scrims** (no metal scrims possible)

Hydroentanglement



- **No perforation of the nonwoven in the hydro-entangled process** (fibers are not exposed to mechanical stresses)
- **High material density, thus denser pores and better pore size distribution**
- **High homogeneity of the surface → better dedusting, higher filtration efficiency**
- **Multi-layer technology** (integration of metal scrims possible)

We are your contact for nonwoven solutions in the field of filtration.

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