

# SYNAFELT - Fiber Fleece Elements

**SYNAFELT - Fiber fleece elements** are made of a fleece impregnated with a synthetic resin. The fleece is needled unequally, deformed cylindrically and solidified.

This type of production has the effect that the pores in the filter element get finer from the outside to the inside - see sketch.



Coarse dirt particles settle on the outer layer depth, whereas finer parts settle on towards the inside increasingly dense layer depth of the **SYNAFELT - Fiber fleece elements**.

The fineness depends on the fiber thickness and on the type of synthetic resins.

The characteristic features of these filter elements are a very high flow rate, an excellent dirt-holding capacity and high pressure stability.

These filter elements by default are available in 8 different grades of fineness as well as in 5 different lengths.

Especially in the field of highly viscous liquids the use of our **SYNAFELT - Fiber fleece elements** is the right decision.



## Technical Data

<b>Initial differential pressure in a pure state</b>	0.1 - 0.3 bar
<b>Recommended differential pressure for filter change</b>	2.5 bar
<b>Permissible end differential pressure</b>	5.0 bar

## Applications

- ✓ Paints
- ✓ Lacquers
- ✓ Solvents
- ✓ Latex
- ✓ Fuels
- ✓ Lubricating oils
- ✓ Fuel oils
- ✓ Petroleum
- ✓ Adhesives
- ✓ Cutting and cooling emulsions
- ✓ Resins
- ✓ Rolling emulsions
- ✓ Gases

# SYNAFELT - Fiber Fleece Elements

Flow rate in l/min at a differential pressure of 0.2 bar  
based on water (1 cp)

Fineness in µm	Operating viscosity			
	1 cSt	27 cSt	72 cSt	137 cSt
1	10.0	2.0	1.0	0.2
5	25.0	3.5	2.6	0.8
10	30.0	8.6	4.4	1.8
25	34.5	11.0	5.2	3.9
50	39.0	15.2	9.2	6.1
75	41.5	17.0	10.6	7.5
100	43.0	18.2	11.5	8.1
200	46.0	20.4	12.8	9.8

## Ordering information

Product group	Filter material	Fineness	Length	Diameter	Impregnation
40	V	10	250	70 / 26	P

Product group	40					
Filter material	V		Viscose (rayon)		max. 140°C	
Fineness (nominal)	1	1 µm	25	25 µm	100	100 µm
	5	5 µm	50	50 µm	200	200 µm
	10	10 µm	75	75 µm		
Length	125	125 mm	500	500 mm	1000	1000 mm
	250	250 mm	750	750 mm		
Diameter	70/26		outside (70 mm) inside (26 mm)			
	63/26		outside (63 mm) inside (26 mm)			
Impregnation	P	synthetic resin				