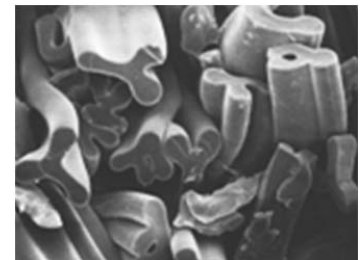
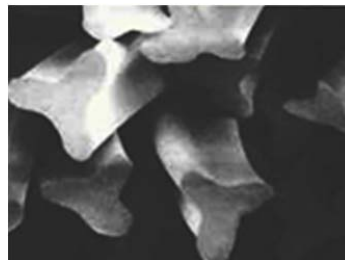
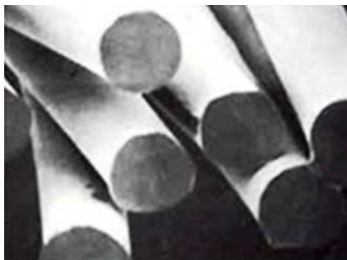


**MICROFELT<sup>®</sup> SPECIAL  
FELTS:**

A range of needle felts for filtration made of **ultra-fine fibers** (microfibers), which form **porous structures** with smaller pore size distribution for a **greater surface area** than standard denier/dtex media.

Microfiber is distinguished by a smaller diameter (less than 1 denier) and/or by a multilobal, irregular shaped fiber.

Microfibers that are available for Microfelt<sup>®</sup>: **polyester, PPS, P84<sup>®</sup> and aramid**. This high performance fiber meets the needs of the more critical and difficult filtration applications and improves emission levels of finer particles.



**MAIN  
CHARACTERISTICS:**

As an example, the table below compares one of our Microfelts (polyester T 557 Singed) versus the standard fiber.

Pore sizes (Bubble Point test) are much finer.

	<b>MICROFELT<sup>®</sup> T 557 SA MICROFIBRE</b>	<b>T 552 SA CLASSICAL FIBRE</b>
<b>BLEND</b>	50% staple 1,7 dtex 20% staple 3,3 dtex 30% microfibre 0,9 dtex	50% staple 1,7 dtex 50% staple 3,3 dtex
<b>AVERAGE DENIER [dtex]</b>	1,74	2,55
<b>SCRIM</b>	T 4158	T 4158
<b>WEIGHT [g/m<sup>2</sup>]</b>	550	550
<b>PERMEABILITY [l/dm<sup>2</sup>.min]</b>	<b>60</b>	<b>100</b>
<b>PORE SIZE [µm]</b>		
Min	<b>6,57</b>	<b>6,88</b>
Med	<b>13,47</b>	<b>18,41</b>
Max	<b>28,9</b>	<b>79,07</b>
<b>THICKNESS [mm]</b>	1,4	1,5

**END USES:**

In solid-gas separation where the dust is very fine and emission limits are very low. Ease of cleaning keeps  $\Delta p$  values low with consequent energy savings.