

LEONARDO – TRANSPARENT FLAT VISCOSE FIBRE

LEONARDO is an extremely flat viscose fibre with a thickness to width ratio of up to 1:40. At the same time the fibre exhibits a very even fibre surface with completely parallel sides and a highly regular cross section.

LEONARDO can be produced up to three times thinner than existing flat viscose fibres of the same fibre count. This, together with the even fibre surface and the resulting modified light refraction properties delivers a uniquely transparent fibre from which a range of different end applications such as security and filter papers can benefit.

Applications:

- LEONARDO** can be used in blends with pulp for:
- Special papers, such as filter papers, document papers, currency papers
 - Nonwovens and special textile applications

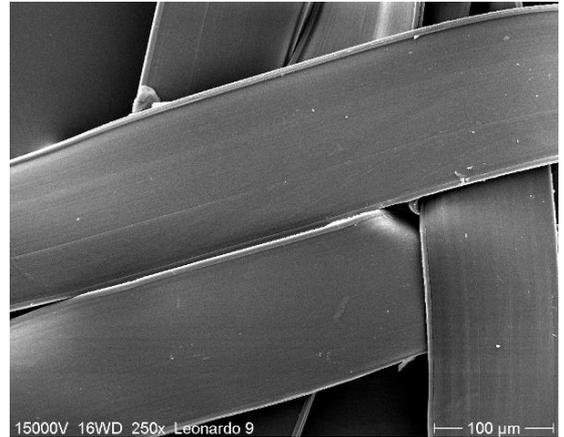
LEONARDO can be used in 100 % without any additives or in blends with other natural or synthetic fibres for:

- Highly transparent papers and nonwovens
- Filter papers

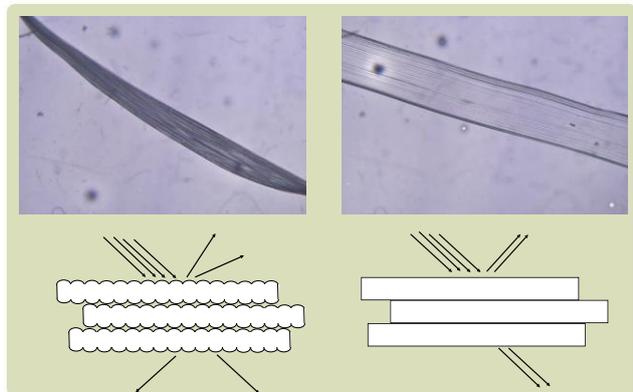
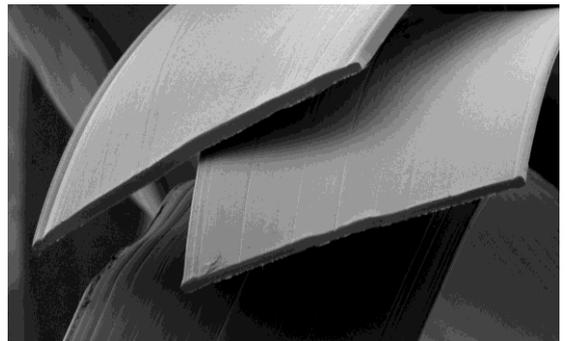
Processing:

LEONARDO can be processed on paper, wetlaid, nonwovens and textile technologies.

SEM image of Leonardo



Cross-Section of Leonardo



Transparency of LEONARDO (right) in comparison to regular rayon flat fibre (left)

Availability

Decitex	Cutting length (mm)	
2,5 / 9,0	3 - 12	Wet short cut
2,5	32 / 40	Staple

Other dtex / cutting lengths are available on request.

Property Profile

Fibre property	Unit	LEONARDO
Tenacity	cN / tex	18
Elongation at break	%	20
Lustre		bright / transparent