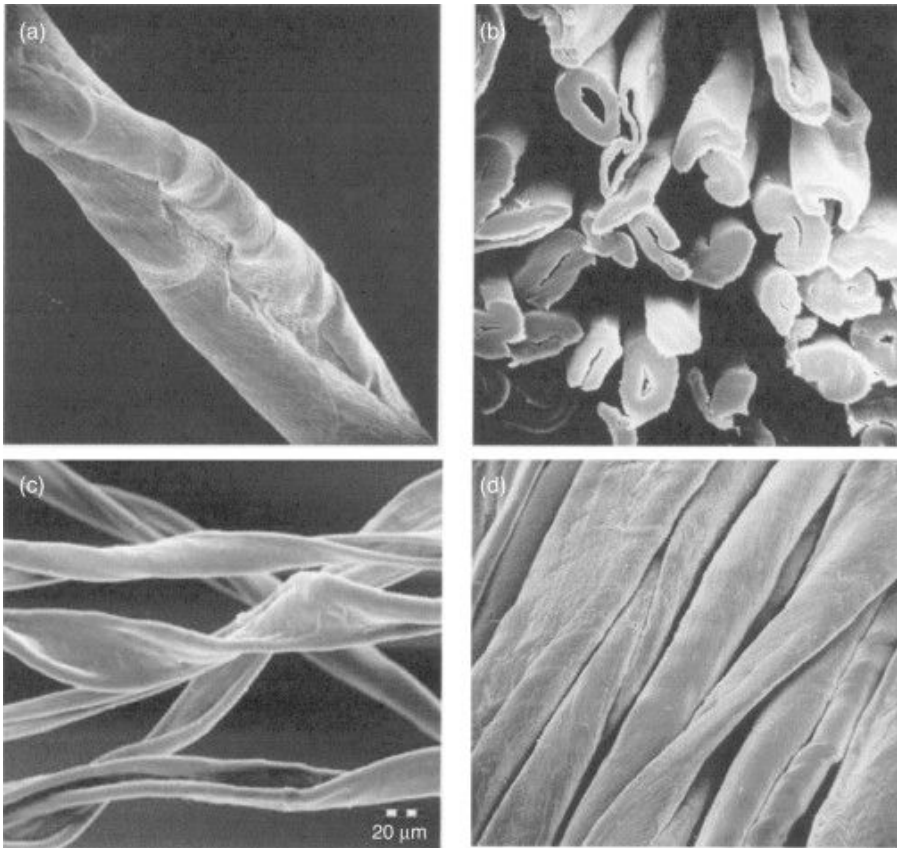
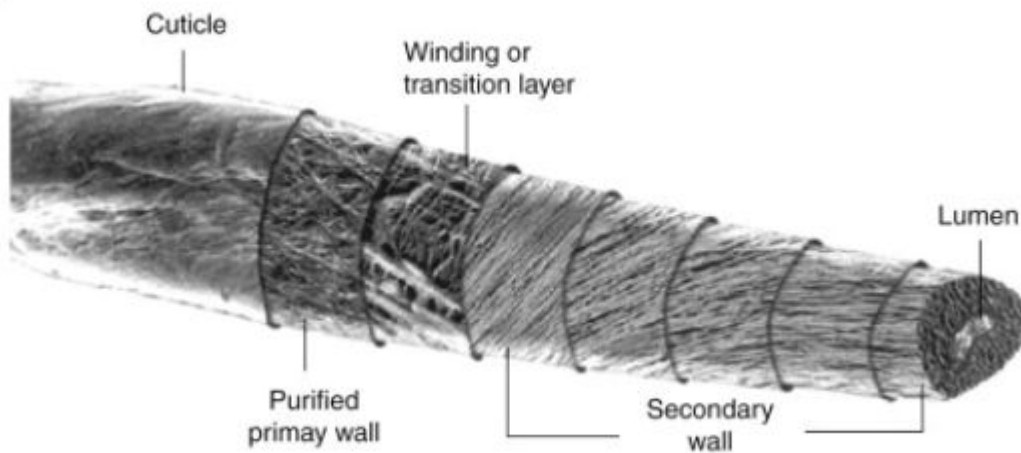


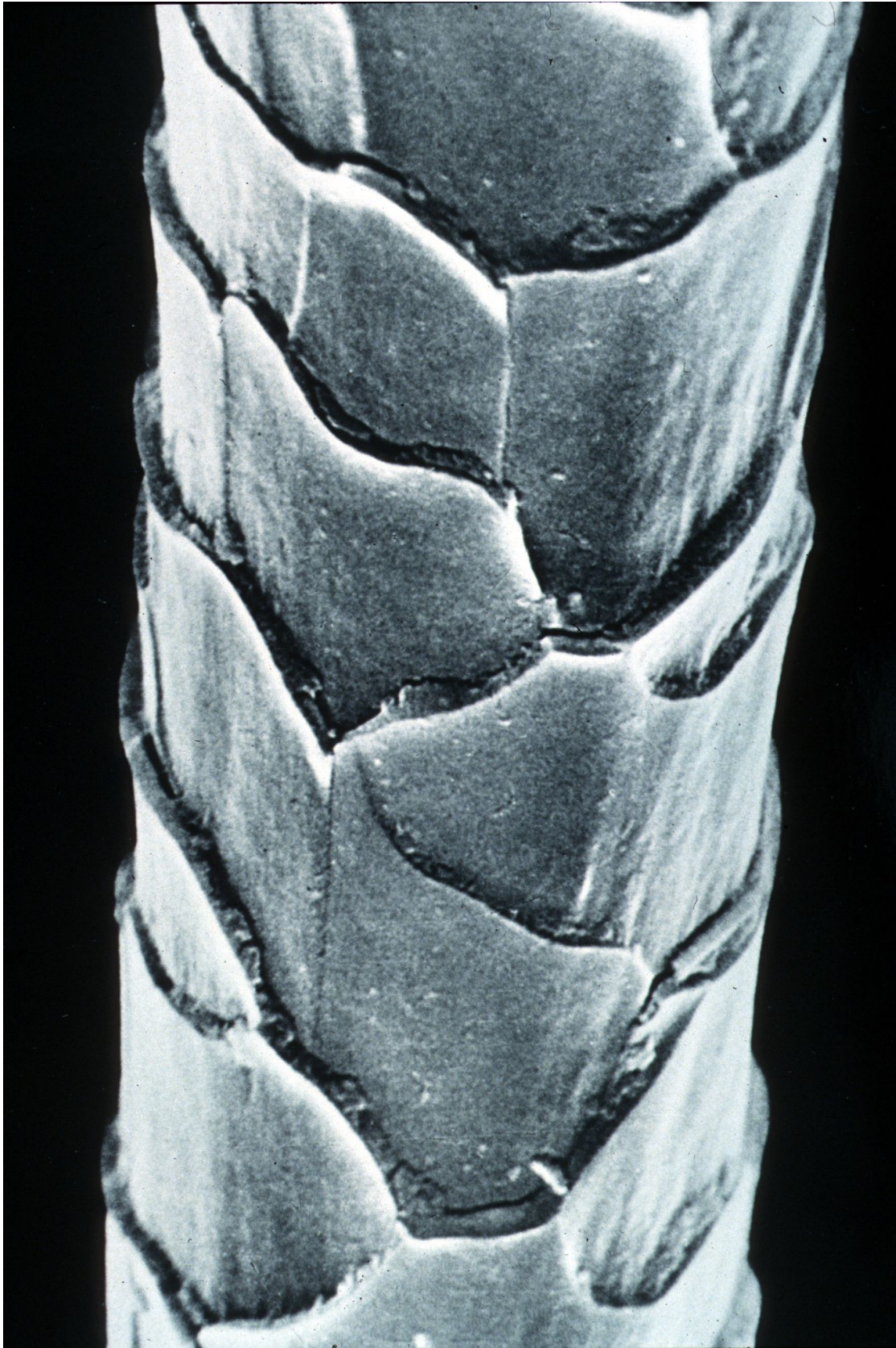
Cotton Fabric



One cotton Fiber

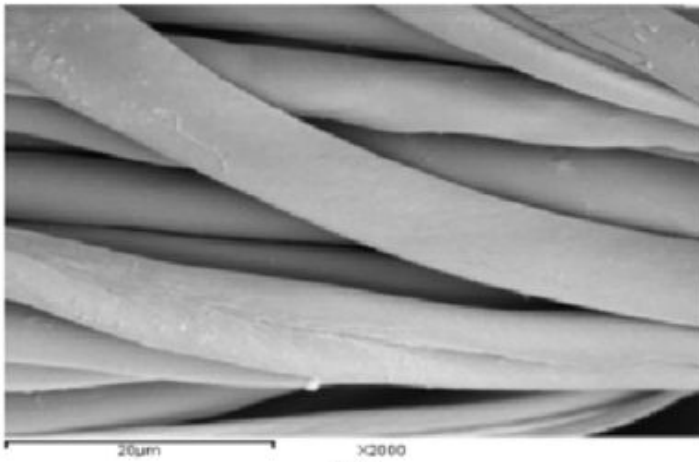


<https://www.sciencedirect.com/topics/materials-science/cotton-fiber>

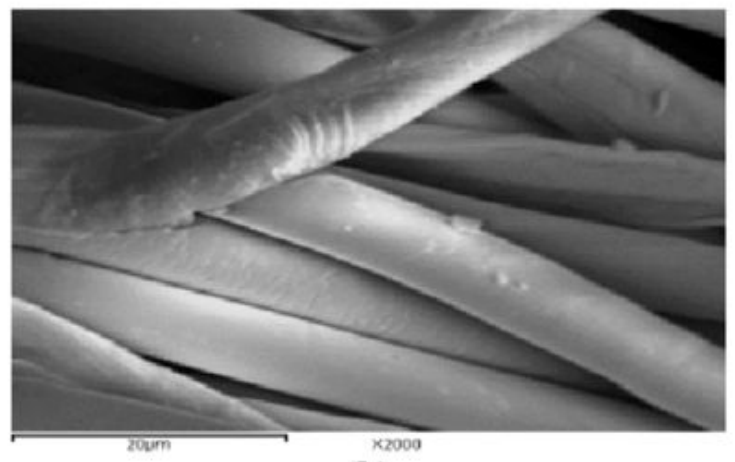


WOOL

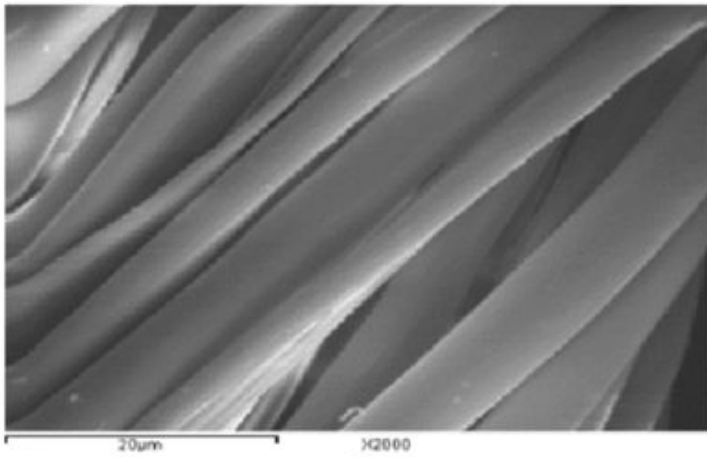
https://commons.wikimedia.org/wiki/File:CSIRO_ScienceImage_2487_Electron_Microscope_Image_of_Merino_Wool_Fibre.jpg



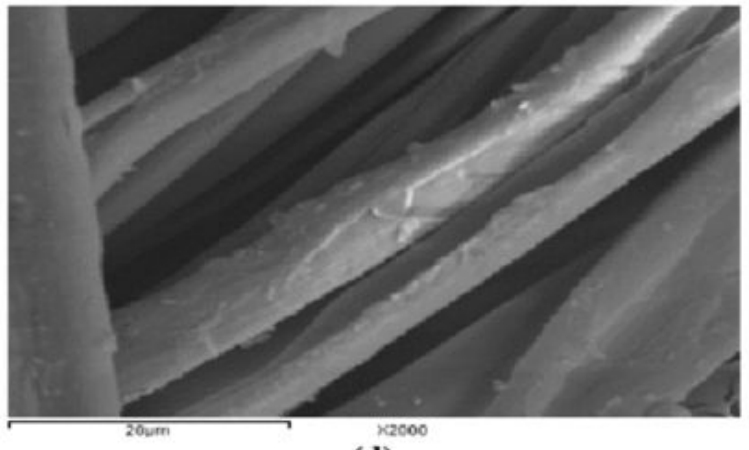
(a)



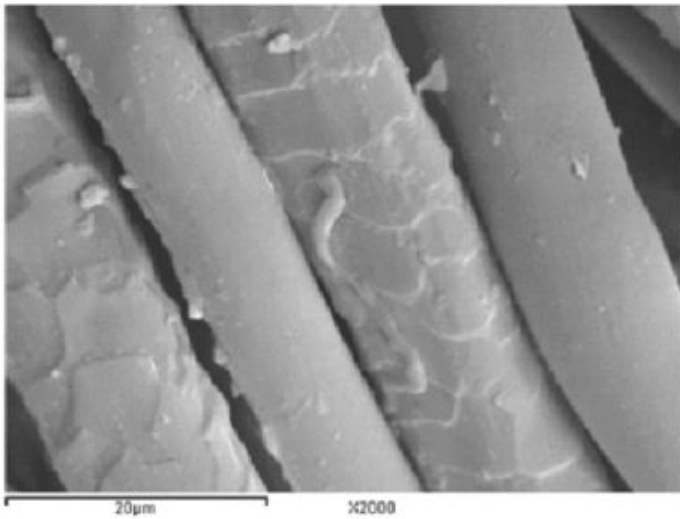
(b)



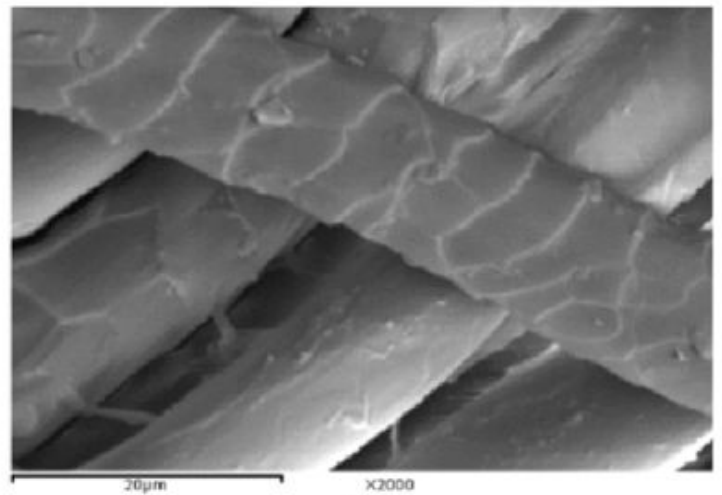
(c)



(d)



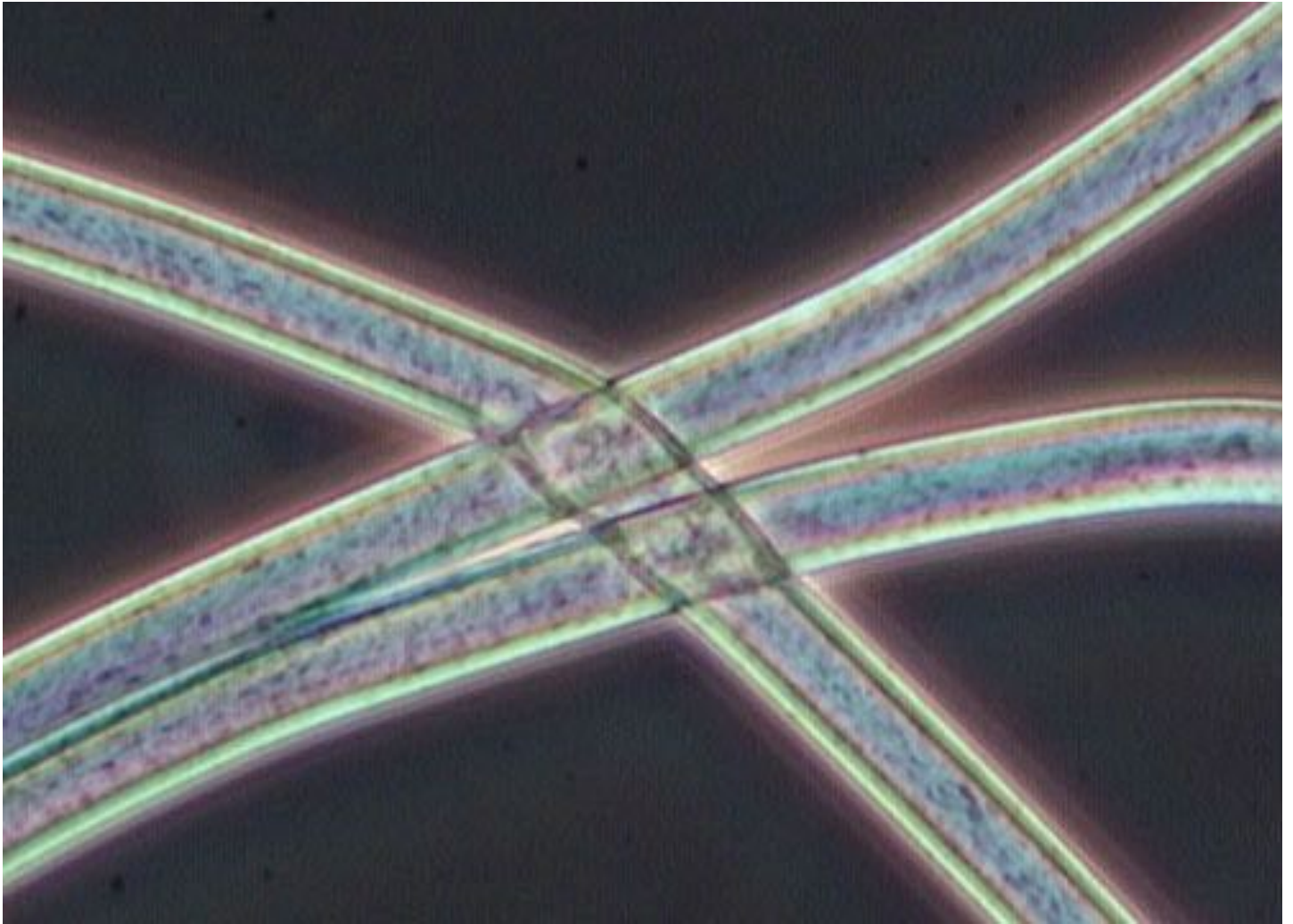
(e)



(f)

Polyester

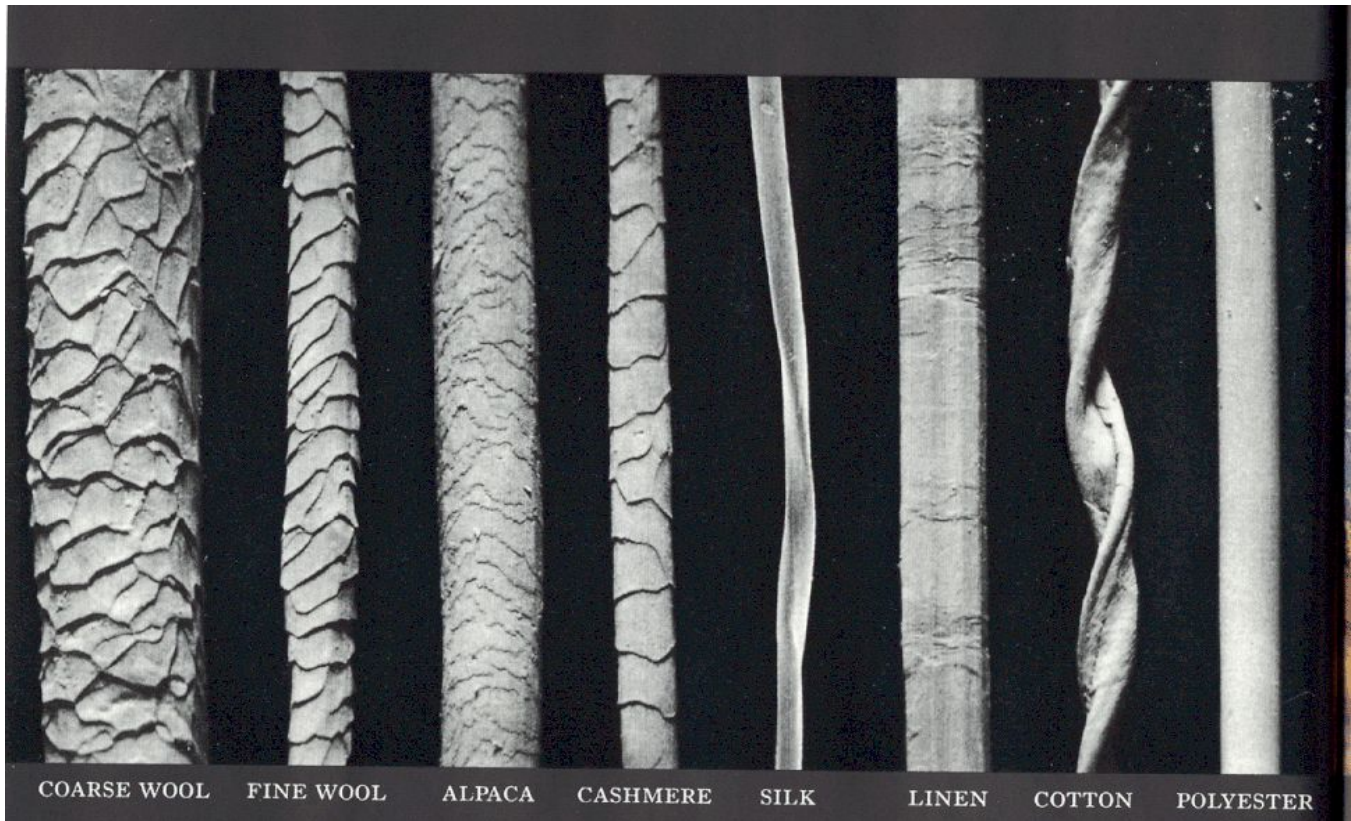
https://www.researchgate.net/figure/Scanning-electron-microscopy-of-polyester-containing-fabrics-a-blank-cotton-polyester_fig12_332921975



Nylon

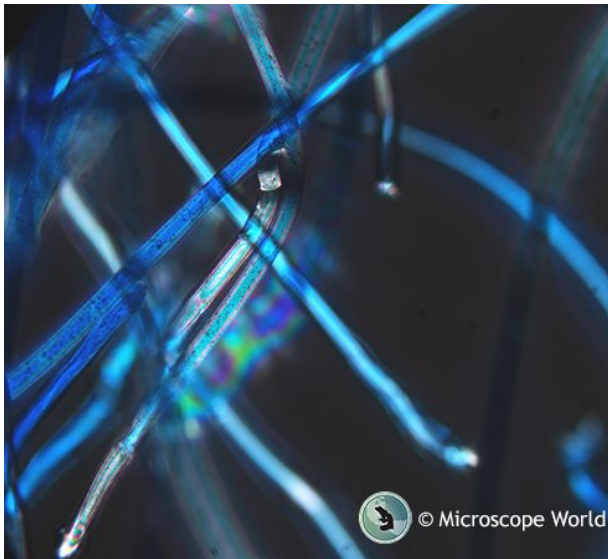
<https://hotcore.info/babki/nylon-fiber-under-microscope.htm>

Evolution of Polyester



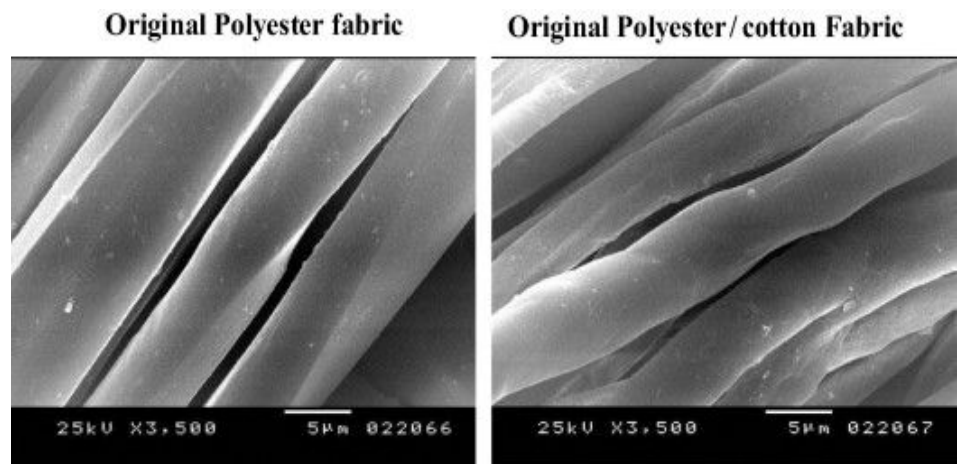
<https://blog.ministryofsupply.com/blog/2019/9/19/the-evolution-of-polyester>

Polyester



<https://www.microscopeworld.com/p-3343-fiber-analysis-under-the-microscope.aspx>

Mixed Fabrics



<https://www.sciencedirect.com/science/article/pii/S1110016815000150>

Mixed Microscopic Fabrics



Cotton



Wool



Linen



Nylon



Silk



Rayon

Natural Fibers

Cotton

Linen

Silk



Synthetic Fibers

Nylon

Rayon



COTTON



LINEN



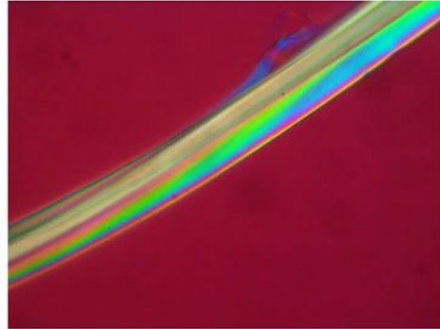
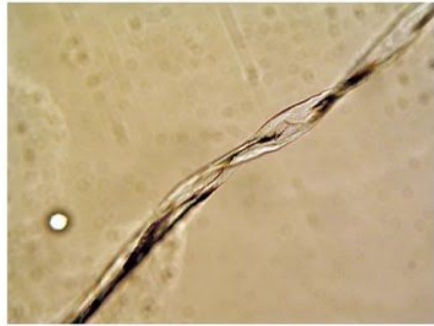
WOOL



SILK

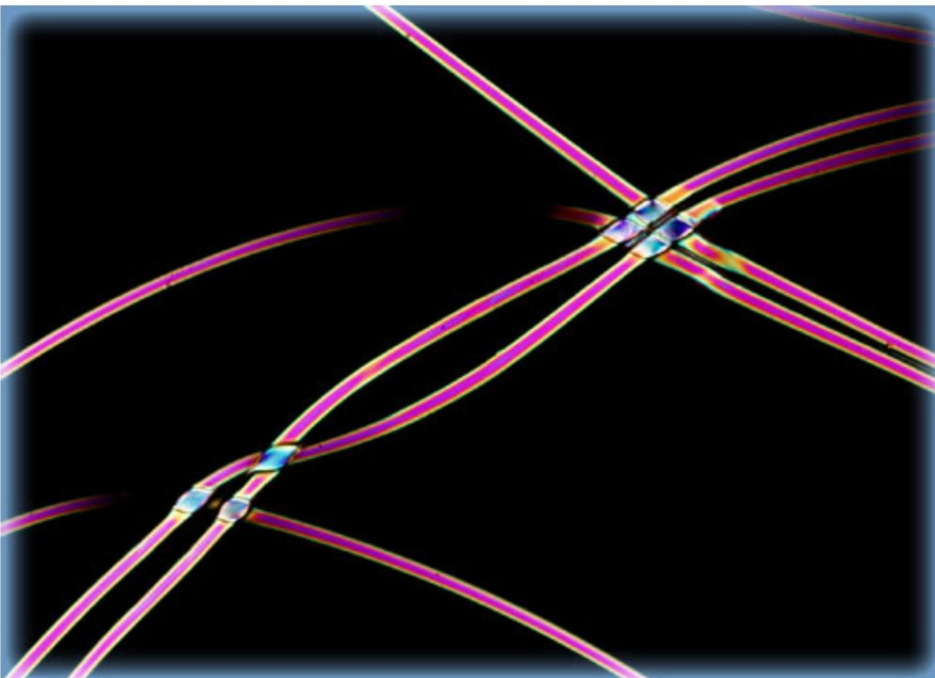
The appearance of natural fibers under the microscope.

Natural vs. Synthetic



<https://youtu.be/1HXdy2xVufo>

[Video Synthetic vs Natural](https://www.youtube.com/watch?v=QVdv3atjZ3g) (<https://www.youtube.com/watch?v=QVdv3atjZ3g>)



Nylon

<https://www.olympus-lifescience.com/en/microscope-resource/galleries/polarizedlight/pages/nylonlarge/>