

Fiberegenskaper och pappersmassa

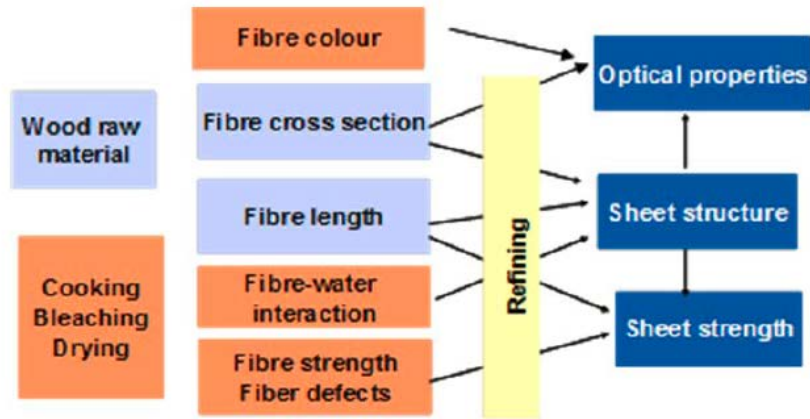


Innehåll

- Fiberegenskaper och pappersmassans egenskaper
- Bearbetning av fibern i massaprocessen
- Olika egenskaper och begrepp inom massa och pappertillverkning

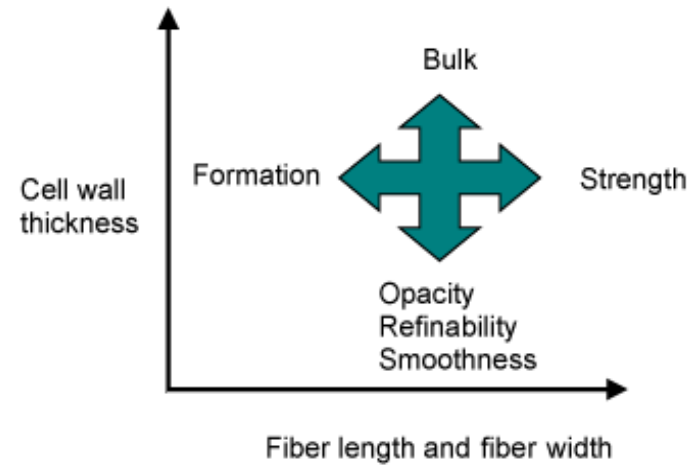


Why measure fiber properties?

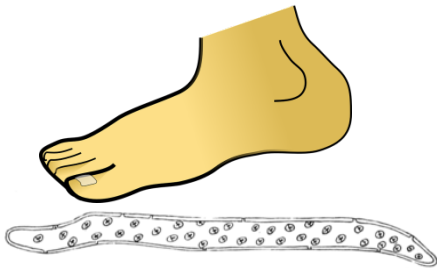


Mohlin, Salmén 2005

The effects of fiber properties on paper properties

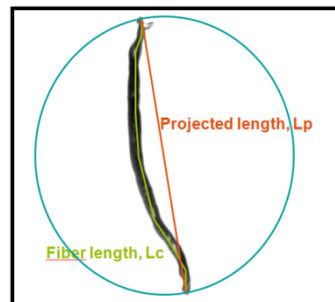
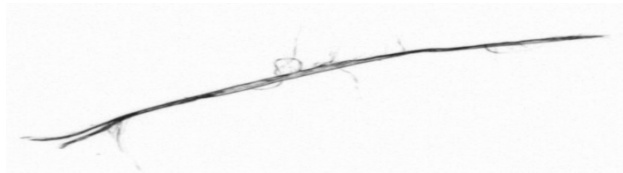
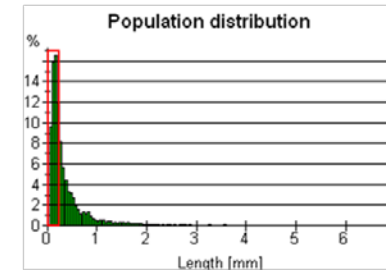
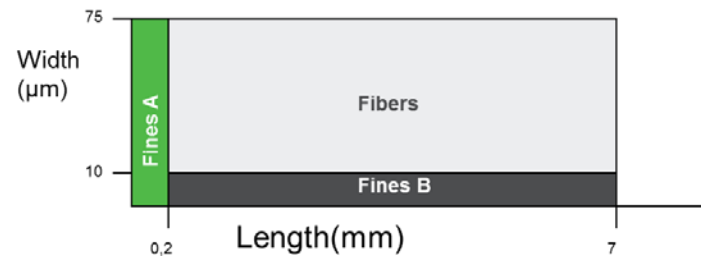
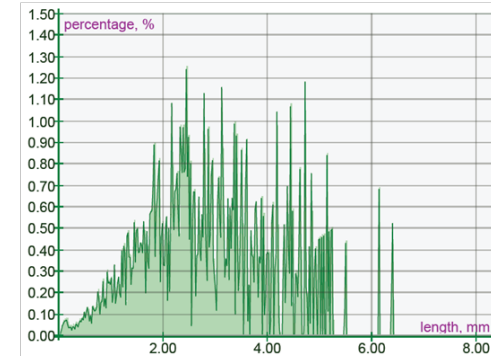
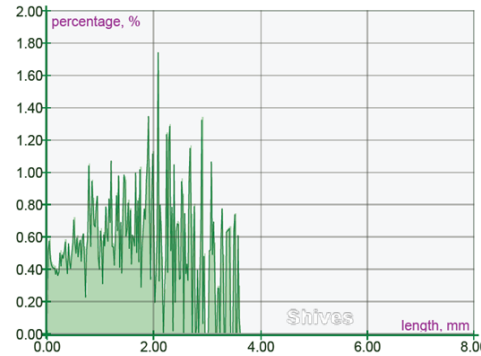


Bearbetning av träfibern



Olika fiberegenskaper och dess betydelse

- Fiber dimensioner
- Finpartiklar
- Coarseness (mg/100m)
- Fiberdeformationer (Curl & Kink)
- Fibrillering
- Kappatal



- Kink = fiber deformation, abrupt angle in fiber
- Reported according to Kibblewhite's kink index formula

- Kinks are formed and removed in pumping, refining, pulp towers..





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