

Fibers³⁶⁵ – Truly Carbon Negative Virgin Fibers and Bio-Based Chemicals from Annual Plants

Fibers³⁶⁵ are the first truly carbon negative virgin fibers and bio-based platform chemicals in the market. The Fibers³⁶⁵ concept is based on a unique, state of the art process to provide functional, carbon negative, and competitive non-wood biomass products such as virgin fibers for paper and packaging purposes as well as high value energy, biopolymer and fertilizer side streams. The products are extracted from the stems of annual plants such as straw by a chemical-free, regional, farm level steam explosion pulping technology, allowing to easily separate fibers from sugars, lignin, organic acid and minerals. In the case of annual plants, CO₂ emissions are recaptured within 12 months from their production date, offering “instant”, yearly compensation of corresponding emissions.

