

## EcoCore – Innovative nonwovens for hygiene products

### Problem / Motivation

- Further development of bio-based nonwoven products for the absorbent core in Absorbent Hygiene Products (AHP) such as baby nappies, femcare and incontinence products
- Low shrinkage (less than 5 %) after washing at 60 °C or higher
- Minimisation of the proportion of bioplastics (currently 30 %)
- The suction time should have a maximum of three seconds, the liquid absorption should be over 15 g/g and the water retention capacity should exceed 50 %



### Solution

- Specific fibre selection and combination
- Variation of the structural strength by suitable nonwoven formation and bonding processes
- Construction of the layer structure
- Washing-, performance- and panel tests to assess the behaviour in use

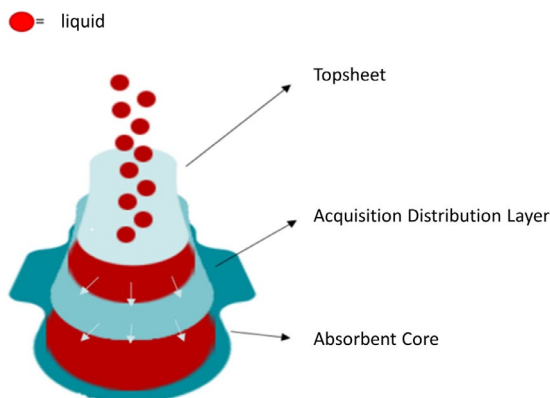
### Project Launch

07/2024

### Project Partner

Kelheim Fibres GmbH

Sumo GmbH



Sketch on the construction of an AHP



Testing AHP for behaviour in use

INNO-KOM

Supported by:



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