

**Nitto**

Innovation for Customers

# CAC - biodegradable nonwoven for wipes

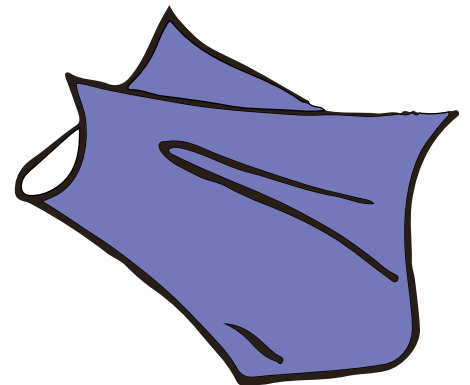
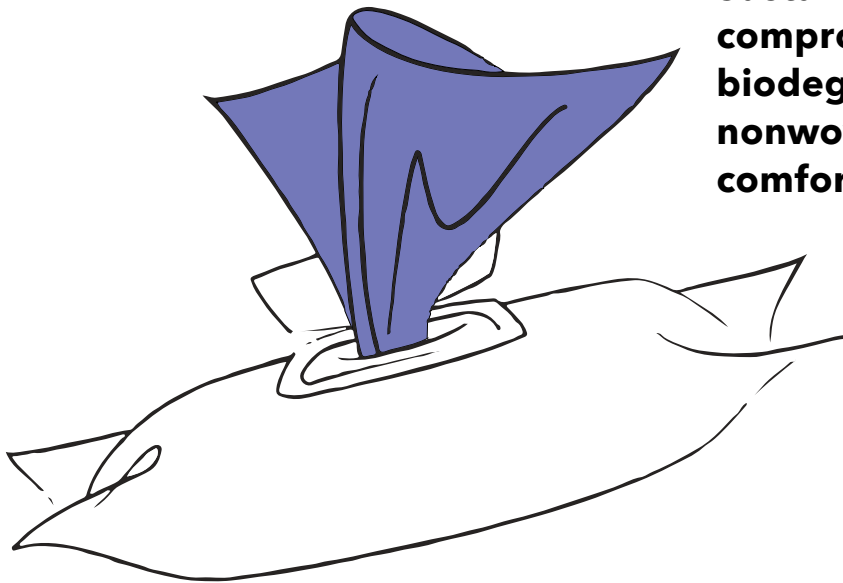


[www.nitto.com](http://www.nitto.com)

# CAC Solutions

Wiping unsustainable worries away.

**Sustainability without compromise: A 100 % plastic-free, biodegradable, and compostable nonwoven for wipes that is high in comfort and performance.**



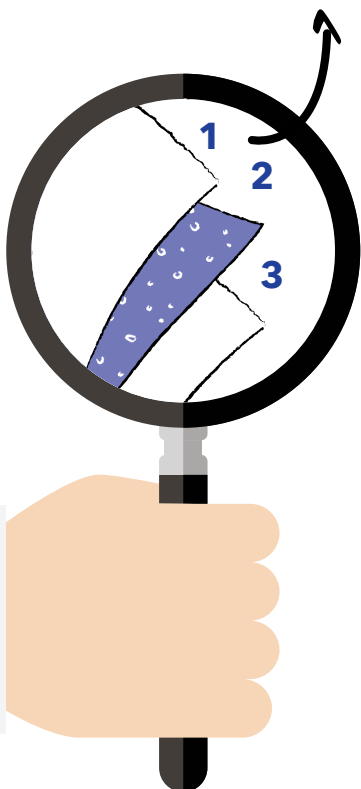
1 = Carded  
2 = Airlaid Pulp  
3 = Carded

## What's in it?

### Carded Airlaid Carded (CAC) technology for sustainable wipes

Our newest CAC technology makes it possible to combine three layers into a highly functional biodegradable wipe. The entire sustainable nonwoven material is produced in-line, while enabling hydro-embossing to increase cleansing power.

- Two outer layers of biodegradable carded nonwovens for soft absorption with controlled liquid or lotion release rates.
- A binder-free airlaid pulp center for maximum absorption through the carded outer layers.
- High pressured water jets lock the cellulosic fiber together for bonding strength without the use of chemicals.



# Unique CAC technology

Nitto's unique CAC technology proves that sustainability without compromise is possible:

## Benefits & Characteristics



### Soft touch

The carded layers on the top and bottom give a comfortable feel. Different combinations of raw material can combine to enhance required haptics.



### High absorbency

The combination of cellulosic outer layers and a pulp middle layer allows for defined liquid absorbency.



### High definition 3D embossing

The combination of pulp in the middle layer and our high pressure water jet bonding treatment results in a high definition pattern that stays and enhances functionality.



### High lotion load and controlled release

The middle pulp layer enhances absorption while the carded outer layers manage liquid release based on defined requirements.

## Certified sustainability

### Partners:



### Biodegradable Certifications:



### Compostable Certifications:



### Raw Materials Certified:



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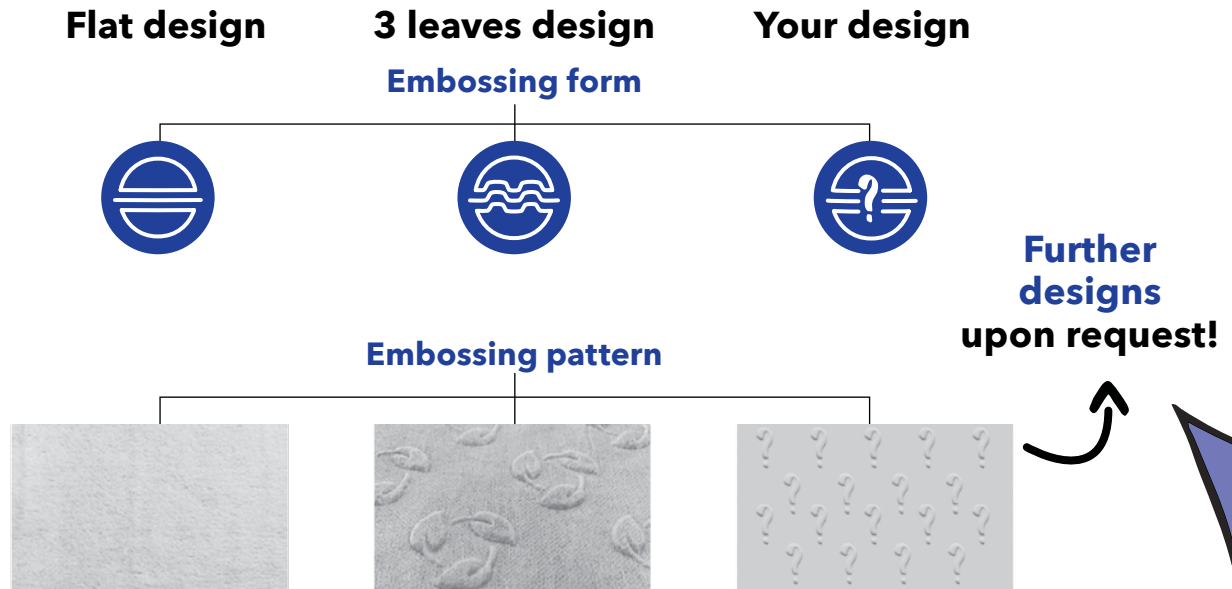


The mark of responsible forestry



# Embossing Designs

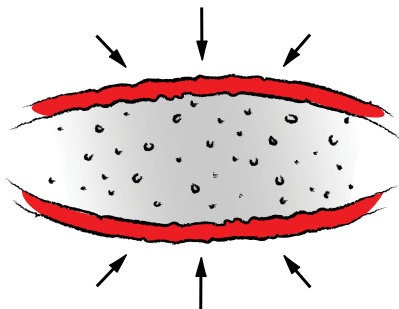
Our use of pulp in the middle layer allows for high definition 3D hydro-embossing. Add an embossed pattern to enhance the cleansing power of your wipe!



## Lotion, where it belongs

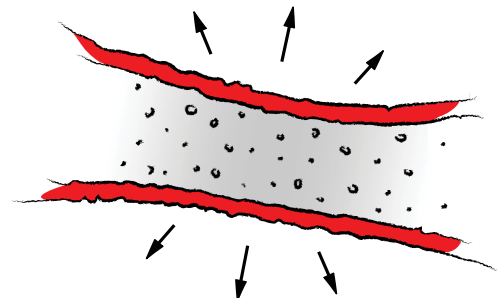
The 3-layer technology provide customisable lotion management, including absorption and release.

High lotion load



3-layer technology keeps the liquid or lotion in the wipe where it belongs.

Controlled release



Carded outer layers allow the release of liquid or lotion based on defined requirements.

# Now and Forever, Innovation for Customers.

Nitto Advanced Film Gronau GmbH

## For every generation: your experts in nonwovens & elastic films.

**Nitto is a leading supplier of elastic and nonwoven solutions for the hygiene industry. We offer comprehensive baby care, adult incontinence, feminine care, and nonwovens for wipes solutions that are high in performance and comfort. With our components, babies stay relaxed, women feel secure, seniors keep their dignity and you even can just wipe away little worries.**



### **Baby Care: The comfort of simplicity**

Explore our wide range of soft and comfortable features ideal for baby care products. We help our customers design and produce diapers with remarkable and lasting comfort.



### **Feminine Care: Empowered Solutions**

Our features increase comfort, and are silent when it matters most. Our films have a proven track record in stacking and machine processability, enabling an economic solution for high quality components.



### **Adult Incontinence: A new form of comfort**

Adult incontinence products have their own set of unique requirements. Our innovative components for briefs with ears or belts help you bring comfort and convenience you can rely on.



### **Nonwoven for Wipes: A new level of flexibility**

Discover our highly useful, innovative and customisable solutions from mono-layer carded nonwovens and our SAC and CAC technology for a wide range of applications. The future is coming soon, as we are developing our sustainable nonwoven materials which will be 100 % biodegradable.

**For more  
information:**

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