

**Nitto**

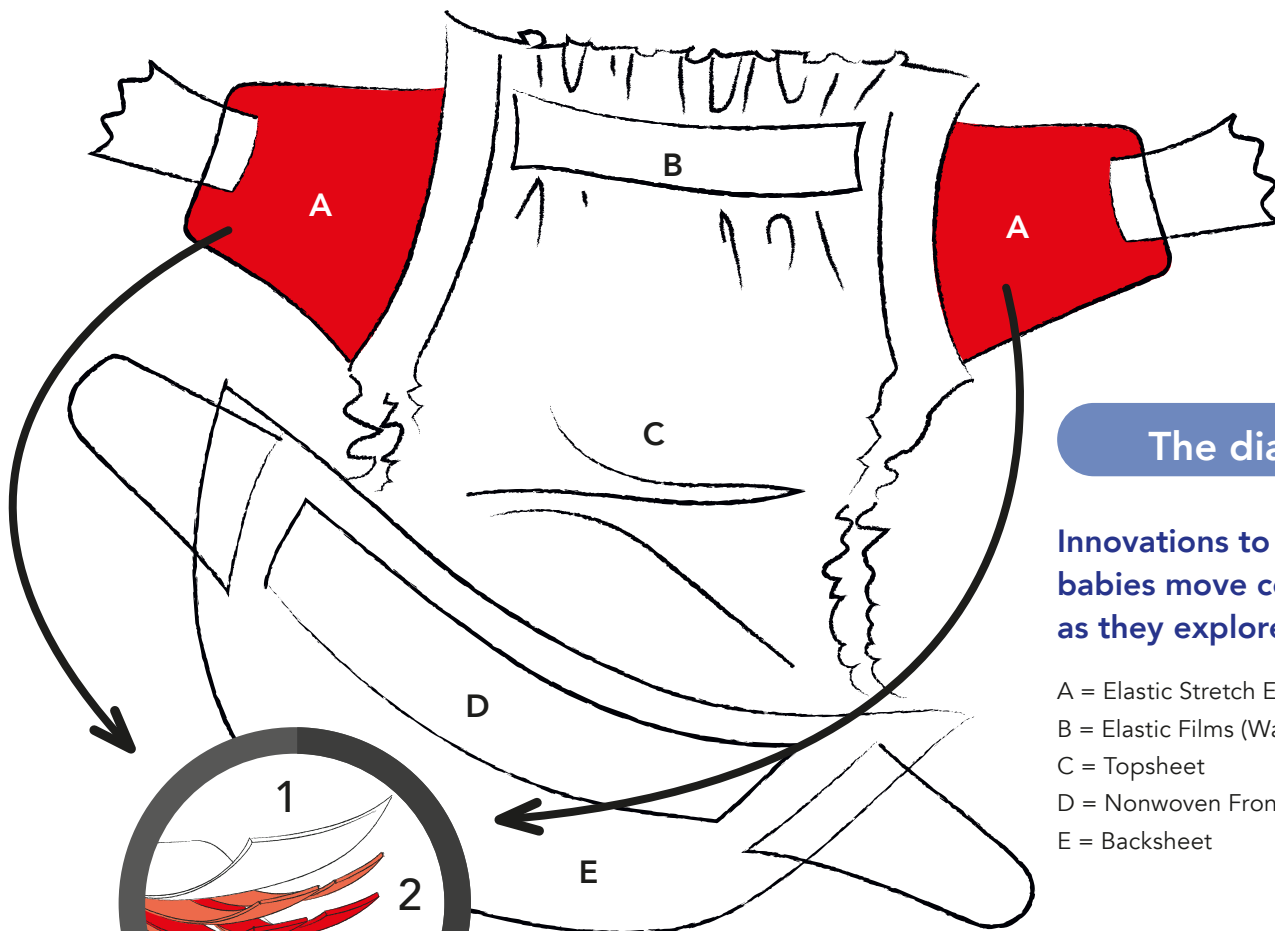
Innovation for Customers

# Baby care – STRETCH EARS



# The comfort of simplicity

Nitto offers a wide variety of world-class baby care components. Our innovations in highly elastic film and nonwoven laminate technologies are built upon our extensive experience. We are a trusted partner for state-of-the-art solutions to provide superior comfort in hygiene products.



## The diaper

Innovations to help babies move comfortably as they explore.

- A = Elastic Stretch Ears (Laminates)
- B = Elastic Films (Waistband)
- C = Topsheet
- D = Nonwoven Frontal Tape
- E = Backsheet

## Benefits & characteristics



Reliable & safe



Optimised odour performance



Superb skin comfort



Durable high stretch performance



Comfortable fit



Optimised product design & material usage

- 1 = Nonwoven
- 2 = stretch engine (COEX film)
- 3 = Nonwoven

## Our 3 premium solutions

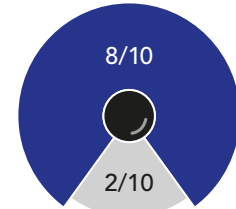
### PremiumStretchEar

#### cross section



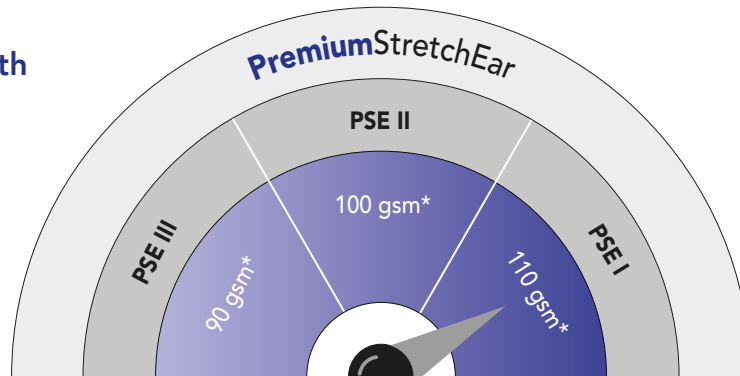
■ Nonwoven ■ Hotmelt ■ Stretch engine area (elastic film)

#### ratio of components



**High performance retractive stretch with excellent durability.**

**90 gsm stretch engine**  
22 gsm carded nonwoven  
40 µm elastic film  
15 gsm spunsoft



**100 gsm stretch engine**  
22 gsm carded nonwoven  
40 µm elastic film  
22 gsm carded nonwoven

**110 gsm stretch engine**  
22 gsm carded nonwoven  
50 µm elastic film  
22 gsm carded nonwoven

\*related to stretch engine

## Want something special?

### Ultimate

#### UltimateStretchEar

Selective choices in

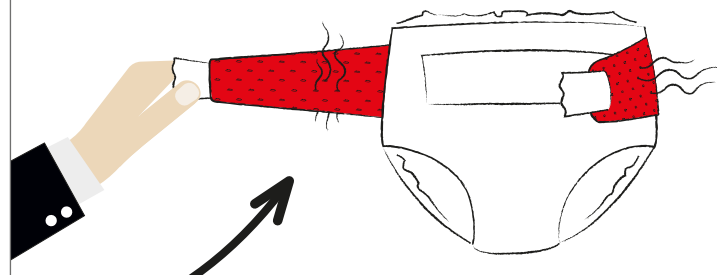
- stretch engine
- stripe or full laminate product design
- variety of nonwoven combinations available
- extra features like breathability possible

### Breathable

#### PremiumStretchEar Breeze

- Perforated thin films with minimized loss in mechanical performance
- Enhanced breathability
- Optimized pattern allows high stability during production
- Perfect and comfortable fit for end-users
- All 3 PSE grades available with breathable film as Breeze

**CONTACT US**  
for more information about  
**Breathable films!**

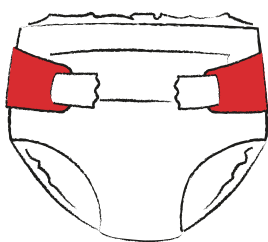


# Reliable performance

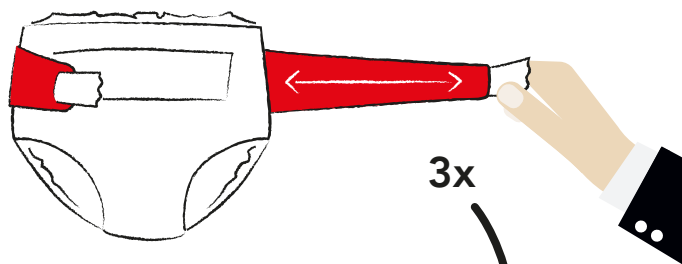
## Our stretch ears stand out.

They keep babies comfortable from start to finish and are easy to use for parents who can trust that opening and reclosing the diaper maintains its stretch performance until it's time for a new one. Our stretch ears offer an excellent combination of tension and stretchability while having enough give to prevent tearing. Check out our high performance stretch ears:

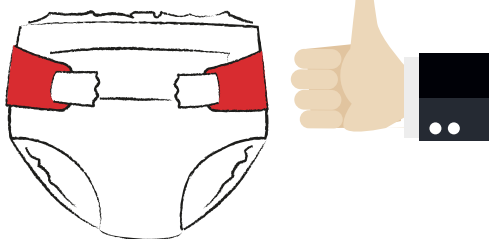
Let's **TEST IT** out!



Stretch it back and forth **THREE TIMES!**



It still retains the **PERFECT** shape!\*

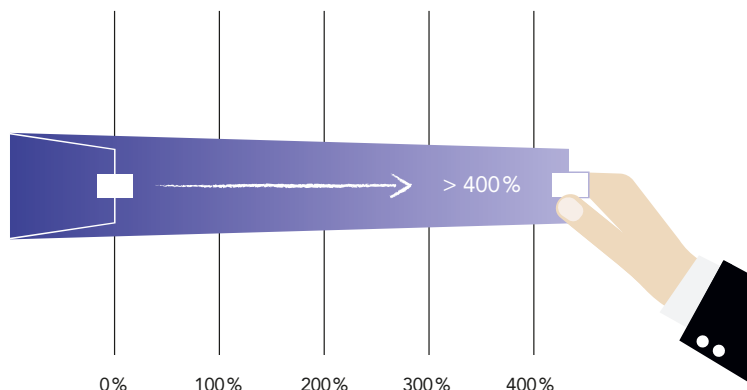


\*P-Set [%] < 7

(minimal performance loss after movement)

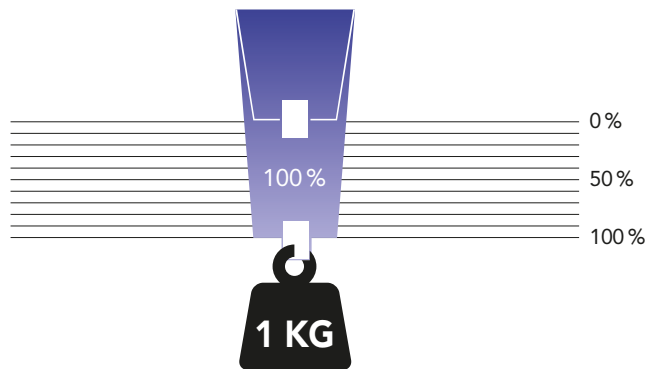
tensile strength CD [N/2inch] > 30  
wide usage range until Fmax [%]

(reserves beyond typical usage area)



perfect elongation @ 1000 g load [%]

(gentle pull, placing the diaper)



ideal retraction @ 50 % / 75 % 2nd unload  
[N/2inch] (perfect fit around the baby-waist)



# 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.



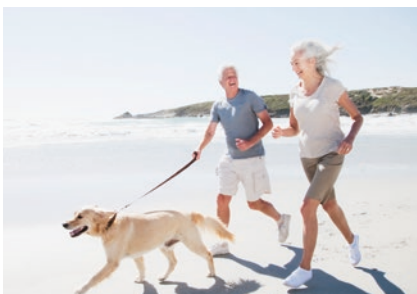
### **Baby Care:** **The comfort of simplicity**

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



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