



COMPOSTABLE NAPPY CLOSURE



Your strategic partner in sustainability
with recyclable or compostable
fastening solutions



Why did APLIX decide to work on a compostable nappy closure solution ?

Each baby uses an average of 4,500 nappies from birth to potty training, i.e. approximately 1 ton of waste per child, either buried or incinerated. These nappies are not recycled, even though 75% of a used nappy is made up of organic matter (urine, faecal matter, wood cellulose, etc.). As part of our CSR approach, we had to find a solution that would be part of the virtuous circle : Use - Sort - Compost - Recycle.

What solutions does APLIX offer today ?

To equip your new generation of sustainable diapers, APLIX has developed innovative closure solutions made of 100% recyclable or compostable materials. Today, we offer a complete sustainable closure system : frontal tape, hook carrier and elastic ear.

To meet tomorrow's environmental challenges, our Research team is still working on other compostable components of the nappy.

What are these different compostable solutions made of ?

The main component is PLA. This material is derived from the polymerisation of lactic acid (dextrose = sugar) from corn or sugar cane. It is different from plastics such as polyethylene

and polypropylene, which are derived from oil. This material comes from 100% renewable plant resources each year and has the unique characteristic of being biodegradable by living micro organisms.

What happens then to APLIX compostable products ?

Our compostable closures are used in the construction of compostable baby nappies distributed to day-care centers or to individuals with subscriptions. Once soiled, they are collected several times a week to be shredded, mixed with wood chips and green waste in an industrial composter. Once oxygenated, this organic waste is naturally heated up to 70°C and transformed by various micro-organisms (microscopic fungi, bacteria, etc.) for 15 days. A final maturation stage of several months is necessary to reach an optimum level of degradation that meets health and environmental standards.

In a few months, the waste is recycled and ready for use in agriculture and gardening!