Fameccanica **Life+** Newsletter

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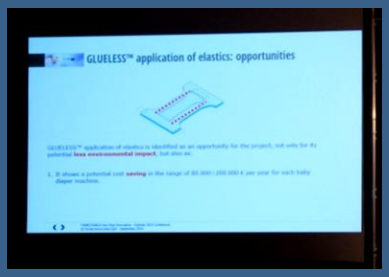


Fameccanica presentation at Outlook™ 2014 Conference

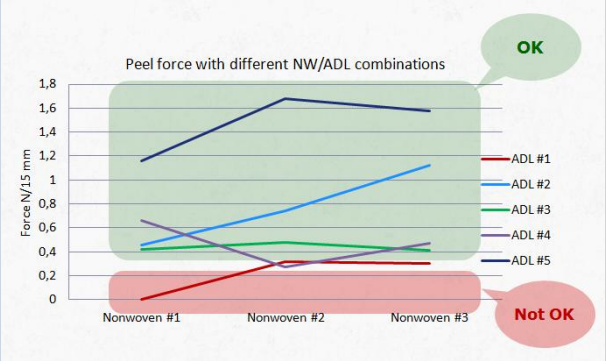
Project Mid Term Conference at Outlook 2014, Barcelona

Fameccanica Life+ Glueless Project Mid Term Conference was held on Friday 26th, 2014 in Barcelona, Spain, as part of the wider OUTLOOK 2014 Conference organized by Edana, the European association serving the nonwovens and related industries.

With more than 420 delegates from across the nonwovens and related industries, OUTLOOK™ was again confirmed as one of the most important events for the personal care and hygiene products industries.

In opening the conference, Pierre Wiertz, General Manager of EDANA reminded delegates that there was a close relationship between many of the conference themes, and EDANA's daily mission to support the growth and promote the sustainable development of the industry.

This was in fact one of the key reasons for Fameccanica to promote its project at this specific event. Fameccanica presented all the key achievements already reached at that stage, like completion of the step pertaining GLUELESS™ lamination of back ears for baby diapers, plus initial test results of GLUELESS™ application of ADL and ELASTICS.



Present chart show a selection[1] of 3 different nonwoven topsheet (spunmelt PP/base), 5 different ADL (ATB or Resin Bonded at different basis-weight).

Test speed 450 m/min

[1] Synthetic chart after testing a total of 35 different combinations of 5 different nonwoven topsheet, 10 different ADL and 3 bonding patterns.

GLUELESS™ application of ADL: process initial test results – Peel Force Test

Peel force is considered mainly as a "process requirement", as it is required for runnability in the converting machine that the ADL is properly bonded to the topsheet. Test conducted at high speed showed that:

NW: All the Top sheet Nonwovens analyzed[2] have a good attitude to be welded even if they come from different suppliers.

ADL: the majority of commercial material tested has a good attitude to being welded, if containing at least small compatible termoplastic resin. According to the test results, the best way to weld using ultrasonic equipment and ADL with a NW topsheet is to use a bi-component ADL containing PolyPropylene to seal with a PP-based NW top sheet. The several ADLs tested from different suppliers contributed to the making of a benchmark.

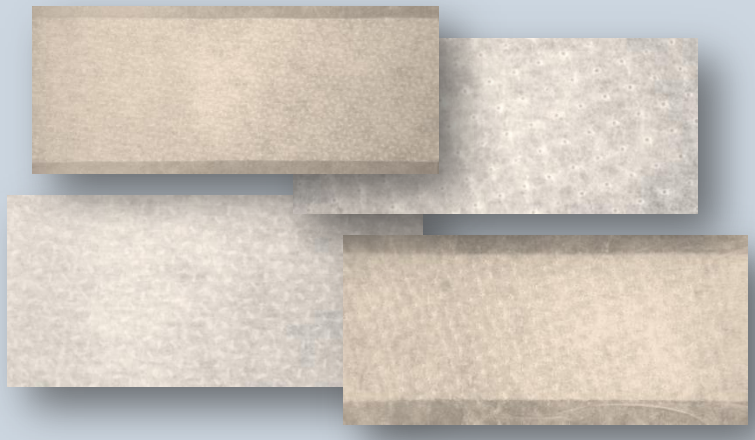
[2] Commercially available Polypropylene-based spunbonded

GLUELESS™ application of ADL: Product performances initial test results - Acquisition Time and Wetback

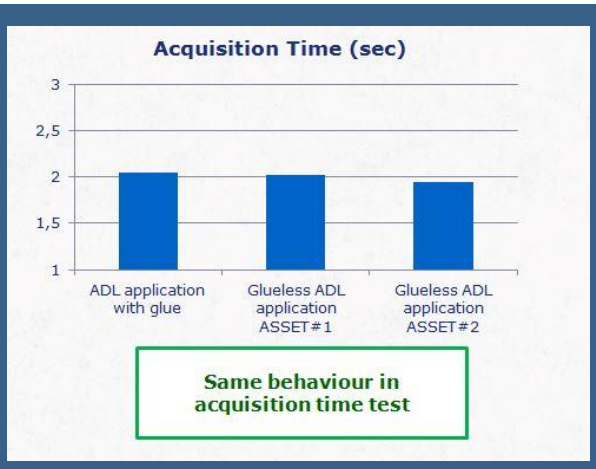
Samples of the final diaper element assembly with glueless ADL have been subject to product performance tests relevant to Acquisition Time and Wetback.

Both tests gave positive results as the comparative tests[3] of product performance vs. traditional technologies shows that the GLUELESS™ solution offers equivalent or even improved results than the traditional techologies.

[3] Test conducted with benchmark ADL#5 (PP/PE bico fiber)



Details of samples with ADL application



Present charts shows acquisition time and wet back of two proven assets of GLUELESS™ ADL application vs. traditional ADL application with glue.