Jafra print d.o.o. Solin

FOUNDATION

24 years ago

SIZE

small-sized

KEY PRODUCTS/ SERVICES

Products of coated and noncoated paper:

- packaging (cardboard boxes for food, textile, pharmaceutical and other industries, labels)
- bussines documentation (bussines cards, envelops, paper folders, calendars, planners...)
- different types of tickets
- promotion materials (brochures, flyers, posters...)
- books binding
- big format printing (interiors, vehicles, shop windows...)

KEY MATERIALS

- paper (virgin/recycled)
- coated paper
- cardboard



PROFILE

Jafra print is small Croatian firm from Solin in Split-Dalmatian County. The main products are different boxes for food, textile, pharmaceutical and other industries as well as the different type of printed materials. Concerning the key products, their export rate is relatively low. The company's ownership is domestic private.

Revenue growth, total assets and number of employees in the last three years have been almost unchanged. Innovation is important for the company and the innovation investment in their budget was between 30 % and 40 % in the last 3 years. Innovations predominantly happened internally and the decision level is the top management. Also, the stuff attitude towards changes for innovation is high, but it is very difficult to find new skilled stuff. The main sources of knowledge regarding the innovation have been their customers.

SUASTAINABILIY AND USING OF BIOMATERIALS

Today, the activities connected on sustainability are only separately paper collecting. The company has qualitative sustainability goals and Environmental Product Declaration certificate, but publishes no sustainability reports. At present their activities on sustainability are caused by external factors. The importance of bio-based content is high in their packaging technology and the sustainability is very important for their customers. (BCP-CE Audit toll draft is attached)

The use of biomaterials has not been introduced. The attempt of use the biodegradable film (EcoWorks) produced by EcoCortec has been failed (certificate of biocompatibility of EcoWorks is attached). The temperatures on the roll were 70 - 90 °C. At lower temperature the EcoWorks film did not adhere on paper at all, but at higher temperature the film was sticking on the rolls and it was very hard to clean the roll. The mix of organic solvents was used. The PLA based film for bags obviously is not suitable for paper lamination. The reason is sliding agents added to that PLA based film.



PRODUCTION SPECIALITIES

Biocomposites or any other paper is not produced by the company. They buy different paper and cardboards and the end-product is printed. Product design is defined by the customer. Some paper products are laminated by polypropylene based film (with ethylene-vinyl acetate as hot-melt adhesive). Regarding products end of life, the options for recycling are limited.



SUMMARY AND SOLUTIONS

The attempt to laminate the printed paper for folders with PLA based film was not successful. Due to the fact that the PLA film is formulated for bags, it is obvious that for lamination another formulation is needed.

Also, the fact is that the use of biodegradable material for this purpose is not reasonable. The laminate is impossible to delaminate and the material is not suitable for composting.

Final recommendation is that for the biodegradable materials and the biocomposites specific niche is recommended. It means that simple replacement of non-biodegradable material with biodegradable/ compostable material is meaningless. The first step should be the life cycle assessment of the potential product.

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