



ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product

Dunilin® Napkins and
Airlaid Napkins

Raw Material

Pulp

Additives

Color
Glue

Packaging

Plastic film of polypropylene (PP)
Corrugated board box

Manufacturing

The paper is produced from virgin paper and The fibers are glued together with water-based glue in a standard airlaid technique, the required amount of process water is reduced to a minimum compared to traditional paper manufacturing. Decor printing is made in a printing machine.

Field Of Application

The product is intended for the use of enhancing the tabletop environment.

EC Directive 94/62/EC on Packaging and Packaging Waste

The packaging complies with all essential requirements as defined by 94/62/EC. For example minimum adequate amount of packaging, limitation of heavy metal content, recyclable through at least one of the following: reuse, material recovery, energy recovery or composting.

Environmental Aspects

Product

The Dunilin products are manufactured from ECF-pulp (Elementary Chlorine Free), i.e. pulp bleached without using chlorine gas. The pulp is white or dyed to desired color with organic dyes. The glue is water-based. Printing is done with water-based printing inks.

The product is FSC certified according to "Mixed Sources" certification number DNV-COC-000148

Packaging

Polypropylene is made by refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen. The corrugated board box is to a large extent made of recycled fibers. The printing inks are water-based.

Product Safety

- The products fulfil BfR, Bundesinstitutes für Risikobewertung, A0, Hinweise zur Beurteilung von Hygienepapieren.
- The colors fulfil BfR, (Bundesinstitutes für Risikobewertung) Del C Bedarfsgegenständeverordnung § 3 Anlage 1 Nr. 7. Azo dyestuffs, which may split in carcinogenic aromatic amines, are not used.
- Colored and printed napkins are tested according EN 646 (Determination of colorfastness of dyed paper and board) and has been found to have good fastness.
- Duni manufacturing units are certified according to the international quality system ISO 9001 and 9002. They have also implemented or will implement the environmental management system ISO 14001.

Management of Used Products

Energy Recovery

All the materials are suited for energy recovery. Complete combustion gives mainly rise to carbon dioxide and water. The energy content of plastics/paper is comparable to that of oil/ wood.

Recycling

Recycling of the plastic and the corrugated board is possible for producing new products. Check with the local recycling company.

Validity

This is a copy of a document issued 2008-08-07. It is normally updated every second year or when there is a change in the manufacturing process, in the product or in legislation. To make sure that you have the latest edition, contact Duni AB, Environmental Affairs.