



PRODUCT Amber Graphic by Munkedals

COMPANY Arctic Paper S.A.

MILL Munkedals AB

Information gathered from 2021-01-01 to 2021-12-31 Date of issue 2022-07-05

ENVIRONMENTAL PRODUCT DECLARATION FOR PAPER

ENVIRONMENTAL MANAGEMENT

Certified environmental management system at the mill: EMAS, ISO 9001 and ISO 14001

Company systems ensure traceability of the origin of wood: YES NO 100% RECOVERED PAPER

PEFC - Certified wood SGS-PEFC-SE13/9605

FSC - Certified wood SGS-COC-001693

ENVIRONMENTAL PARAMETERS

The figures are based on methods and procedures of measurement approved by the local (or national) environmental regulators at the production site. The figures include pulp and paper production.

| | | | |
|--------------|------|-------|----------|
| Water | COD | 8,73 | kg/tonne |
| | AOX | 0,071 | kg/tonne |
| | NTot | 0,134 | kg/tonne |
| | PTot | 0,051 | kg/tonne |

| | | | |
|------------|--------------------------|-------|----------|
| Air | SO ₂ | 0,061 | kg/tonne |
| | NO _x | 1,022 | kg/tonne |
| | CO ₂ (fossil) | 252,6 | kg/tonne |

Solid waste landfilled 19,1 BDkg/tonne

Purchased electricity consumption /tonne of final product 946,9 kWh

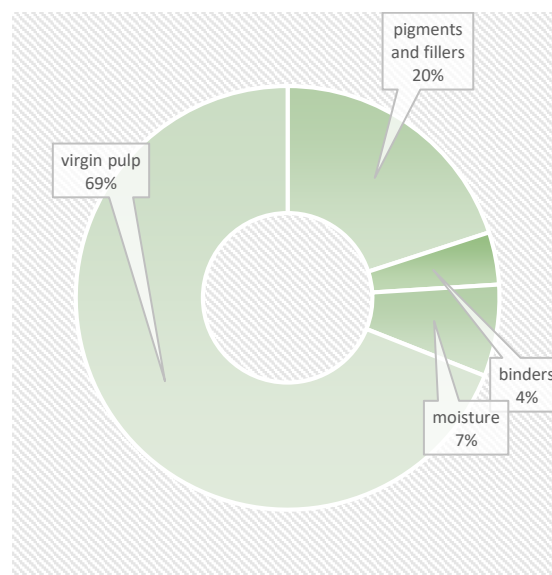
MORE INFORMATION

Contact Jonas Dahlqvist

Address Arctic Paper Munkedals AB

SE 455 81 Munkedal Sweden

PRODUCT COMPOSITION



This product contains biomass carbon, equivalent to 1265 kg of CO₂ per tonne of product.

Phone +46 (0) 45 171 83

e-mail Jonas.dahlqvist@arcticpaper-com

Arctic Paper Munkedals AB

Paper Mill Environmental Declaration

Product information: Amber Graphic by Arctic Paper Munkedals AB

Amber Graphic is a white, uncoated fine paper which is used for books, dictionaries, manuals, advertising material, brochures and catalogues, in mono and full color. Such a broad variety of applications is possible thanks to a wide range of grammages.

Amber paper grades are especially recognized for their good run ability and printability and are available both in sheets and reels – contact your sales representative for details.

Mill Environmental Parameters 2021

Mill Environmental Objectives 2022

| | | Product | BAT ¹ | Description ² |
|--------|-----------------------|---------|------------------|--------------------------|
| Water | Quantity ³ | 2,806 | 10-15 | M ³ /t |
| | COD | 0,632 | 0,5-2 | kg/t |
| | AOX | 0,002 | <0,005 | kg/t |
| | N _{tot} | 0,003 | 0,05-0,2 | kg/t |
| | P _{tot} | 0,002 | 0,003-0,001 | kg/t |
| Air | SO ₂ | 0,000 | 0,00 | Kg/t |
| | NO _x | 0,099 | 0,150 | Kg/t |
| | CO ₂ | 183,0 | | Kg/t |
| Energy | Steam | 1539,8 | | kWh/t |
| | Process | 609,0 | | kWh/t |
| Waste | Reuse | 28,00 | | BDkg/t |
| | Landfill | 2,65 | | BDkg/t |

Mill Environmental Objectives 2022

- Create a more even raw water purification
- Reduce freshwater use
- Concentrate the bio sludge
- Increase the amount of renewable energy
- Improve living conditions for migrating fish in the Munkedal river
- Increase the proportion of returned processwater
- Reduce the total energy use by 2,5%

For more information about environmental objectives see EMAS environmental report

Sales contact

Arctic Paper Munkedals
 AB SE-45581 Munkedal
 Phone +46 770 110120
 eva-lena.petersson@arcticpaper.com

arcticpaper.com

Eva-Lena Petersson

Mill contact

Arctic Paper Munkedals AB SE-45581
 Munkedal Phone:
 +46 524 17183
jonas.dahlqvist@arcticpaper.com

arcticpaper.com

Jonas Dahlqvist



ARCTIC PAPER