



PRODUCT Munken Design and Munken Design ID

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.

<b>Water</b>	<u>COD</u>	<u>14,42</u>	<u>kg/tonne</u>
	<u>AOX</u>	<u>0,085</u>	<u>kg/tonne</u>
	<u>NTot</u>	<u>0,103</u>	<u>kg/tonne</u>
	<u>PTot</u>	<u>0,024</u>	<u>kg/tonne</u>

<b>Air</b>	<u>SO2</u>	<u>0,150</u>	<u>kg/tonne</u>
	<u>NOx</u>	<u>1,238</u>	<u>kg/tonne</u>
	<u>CO2 (fossil)</u>	<u>224,4</u>	<u>kg/tonne</u>

Solid waste landfilled 17,5 BDkg/tonne

Purchased electricity consumption  
/tonne of final product 1108,0 kWh

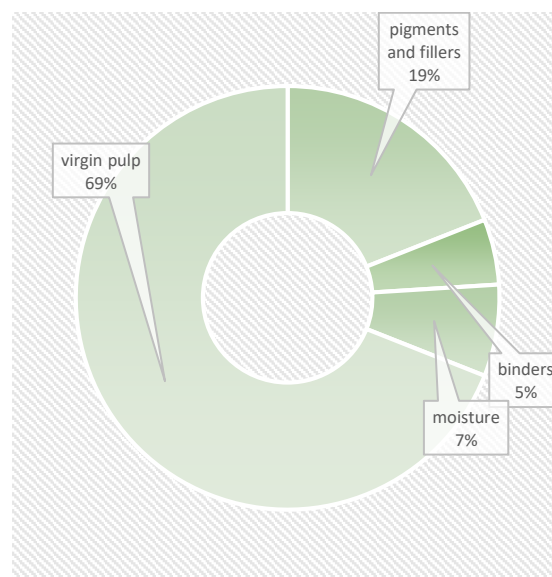
### MORE INFORMATION

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: Munken Design - Munken Pure/Lynx/Polar/Kristall

Munken design qualities are exclusive uncoated papers in three shades and two surfaces. The qualities are perfectly suited for high value printed matter as books, catalogues, corporate paper, periodicals, educational materials and high-quality advertising material. The paper is available in grammages between 70 -400 g/m<sup>2</sup>. Munken design qualities are graphical design paper developed for multi-functionality but especially suitable for various kinds of offset printing. Other suitable printing methods are flexo, screen, laser and inkjet printing.

### Mill Environmental Parameters 2021

### Mill Environmental Objectives 2022

		Product	BAT <sup>1</sup>	Description <sup>2</sup>
Water	Quantity <sup>3</sup>	3,806	10-15	M <sup>3</sup> /t
	COD	0,632	0,5-2	kg/t
	AOX	0,002	<0,005	kg/t
	N <sub>tot</sub>	0,003	0,05-0,2	kg/t
	P <sub>tot</sub>	0,002	0,003-0,001	kg/t
Air	SO <sub>2</sub>	0,000	0,00	Kg/t
	NO <sub>x</sub>	0,099	0,150	Kg/t
	CO <sub>2</sub>	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 process water
- 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](mailto:jonas.dahlqvist@arcticpaper.com)

arcticpaper.com

Jonas Dahlqvist



# ARCTIC PAPER