

**Product** **AMBER VOLUME**

**Company** **ARCTIC PAPER S.A.**

**Mill** **ARCTIC PAPER KOSTRZYN S.A.**

Information gathered from 1.01.2020 to 31.12.2020

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## Environmental product declaration for paper

### Environmental Management

Certified environmental management system at the Mill since April 2000 **ISO 14001:2015**

Company systems ensure traceability of the origin of wood  yes  no **100% recovered paper**

Environmental aspects of wood procurement **64% of FSC® and 36% of PEFC™**

### 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 both paper and pulp production.

<b>Water</b>	<b>COD</b>	<b>6,88</b>	kg/tonne
	<b>AOX</b>	<b>0,05</b>	kg/tonne
	<b>N<sub>Tot</sub></b>	<b>0,15</b>	kg/tonne
	<b>P<sub>Tot</sub></b>	<b>0,02</b>	kg/tonne

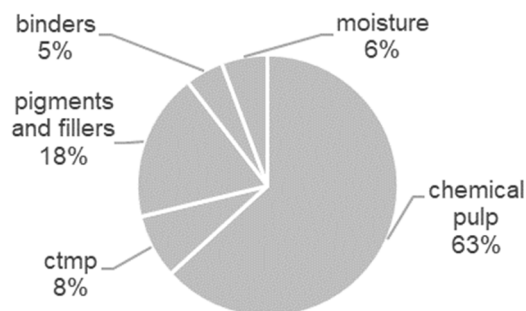
<b>Air</b>	<b>SO<sub>2</sub></b>	<b>0,13</b>	kg/tonne
	<b>NO<sub>x</sub></b>	<b>1,28</b>	kg/tonne
	<b>CO<sub>2</sub> (fossil)</b>	<b>493</b>	kg/tonne

**Solid waste landfilled** **23,4** BDkg/tonne

#### Purchased electricity consumption

/tonne of final product **201** kWh

### Product composition



This product contains biomass carbon equivalent

### More information

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# Arctic Paper Kostrzyn S.A.

## Paper Mill Environmental Declaration

### Product information: Amber Volume

Amber Volume is a woodfree high white bulky uncoated paper. The surface is specially suited for all kinds of educational publishing applications such as schoolbooks, academic literature, reference material and factual books. Available in grammages from 50 to 90 g/m<sup>2</sup>.

The environmental data below reports only emission from the paper production and not emission in the total production chain from forest to customers.

### Mill Environmental Parameters 2020

		Product	BAT <sup>1</sup>	Description <sup>2</sup>
Water	Quantity <sup>3</sup>	10,5	< 20	m <sup>3</sup> /t
Water (kg/t)	COD	0,27	< 1,5	kg/t
	Ntot	0,093	< 0,1	kg/t
	P tot	0,005	< 0,012	kg/t
Air	SO <sub>2</sub>	0,04		kg/t
	NO <sub>2</sub>	0,56		kg/t
	CO <sub>2</sub>	417		kg/t
Energy	Steam	2079		kWh/t
	Process	535		kWh/t
Waste	Reuse	10,54		BDkg/t
	Landfill	0,34		BDkg/t

### Mill Environmental Objectives 2021

For more information about environmental objectives see EMAS environmental report

#### Mill Environmental Objectives 2021

Decrease in steam consumption by upgrading PM heat exchangers.  
Reduction of chemical consumption by upgrading the short PM loop.  
Minimizing water consumption by modernizing the water supply system.  
Maintaining high efficiency of the water treatment plant

<sup>1</sup> BAT = Best available technique according IPPC.

<sup>2</sup> All figures expressed per ton of paper

<sup>3</sup> Effluent water from waste water treatment plant

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