



# From high-end shopping bags to product packaging. Our extensive product portfolio features sustainable solutions for a wide range of purposes.

## Print quality, strength and sustainability

From products in the supermarket to luxury bags in the shopping streets of Milan. And from food delivery bags to packaging in the pharmaceutical industry. No matter the application, our team can propose a sustainable paper that is exactly fit for purpose. By using virgin fibres, we can create the ideal mix of long fibres for strength and short fibres for optimal print quality. Moreover, it makes our product range food safe and recyclable.

Our products have a natural or white shade and are available in a broad range of basis weights. Specialties include soft-nip calandered paper with a silky smooth surface or paper with high basis weights.

Our latest innovation is Crown Native: paper made with sugar beet pulp. By using this alternative fibre, we managed to improve the paper's environmental footprint by 16% compared to our traditional paper.

	70	80	90	100	105	110	120	130	140	150	160	170
Crown Shopping Bag Natural				●	○	●	●		○			
Crown Carry Bag White	○	○	○	○		○	●	○	●	○	○	●
Crown Native	●	●	●									

○ = On request

# Crown Shopping Bag

Uncoated paper for the production of (luxury) shopping bags. The balanced mix of long and short fibres provides optimal printability and high strength. Available in a broad range of basis weights, in a natural shade.

## Crown Shopping Bag Natural

Grade spec	125100
Special features	High strength, natural shade, excellent printability
CIE Whiteness	80

Basis weight (g/m <sup>2</sup> )	Caliper (µm)	Bendtsen roughness Topside (ml/min)	Tensile MD/CD (kg/15 mm)	Tear (MD/CD) (mN)	TEA (MD/CD) (J/m <sup>2</sup> )	Burst (kPa)	
90	107	130	12.3 / 6.0	940 / 1080	118 / 208	315	○
100	118	140	13.3 / 6.5	1080 / 1285	135 / 200	345	●
105	124	145	13.7 / 6.8	1135 / 1350	140 / 225	360	○
110	129	150	14.2 / 7.1	1195 / 1425	148 / 232	380	●
120	141	170	15.2 / 7.6	1335 / 1620	160 / 240	405	●
140	167	215	16.8 / 8.3	1575 / 1945	182 / 250	450	○



ISO 9001  
ISO 22000  
ISO 45001  
ISO 14001  
ISO 50001  
certified

All paper grades can be delivered with FSC®COC- or PEFC COC-certificate.

○ = On request

CIE Whiteness	ISO 11475
Basisweight	ISO 536
Caliper	ISO 534
Bendtsen roughness	ISO 8791-2
Tensile MD/CD	ISO 1924-2
Tear	ISO 1974
TEA	ISO 1924-2
Burst	ISO 2758

# Crown Carry Bag

The uncoated economical solution for shopping bags. Not as strong as Crown Shopping Bag, but with the same print quality and bright appearance. Available in a broad range of basis weights.

Grade spec	<b>Crown Carry Bag White</b>
Grade spec	124100
Special features	High White, excellent printability
CIE Whiteness	140

Basis weight (g/m <sup>2</sup> )	Caliper (µm)	Bendtsen roughness Topside (ml/min)	Tensile MD/CD (kg/15 mm)	Tear (MD/CD) (mN)	Burst (kPa)	
70	88	130	8.0 / 3.5	575 / 650	190	○
80	100	130	8.5 / 3.75	625 / 675	200	○
90	113	150	9.5 / 4.25	700 / 775	210	○
100	120	140	9.5 / 4.25	725 / 825	215	○
110	132	140	9.5 / 4.5	750 / 900	220	○
120	144	160	10.0 / 4.75	825 / 875	230	●
130	150	160	10.0 / 5.5	875 / 1000	240	○
140	161	170	11.0 / 5.5	925 / 1000	260	●
150	173	160	11.5 / 5.5	1000 / 1175	275	○
160	184	180	11.5 / 6.5	1050 / 1225	280	○
170	196	190	12.5 / 6.5	1125 / 1325	295	●



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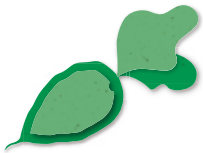
CIE Whiteness	ISO 11475
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# CROWN **native**

Dutch grown sugar beet paper



Crown van Gelder is making paper greener than ever. Meet Crown Native: high-quality paper that replaces 20% of the wood fibers with sugar beet pulp to reduce its environmental impact by 16%. Crown Native is strong, affordable, food-safe and can be re-used up to seven times. In short: a green front-runner in paper for bags.



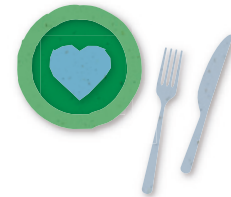
### Sugar beet pulp

Materials left over after processing sugar beets are given a new, high-quality purpose in Crown Native.



### Locally sourced

The sugar beets are all produced in a 150 km radius from our plant, significantly cutting down on transport emissions.



### Food-safe

By using locally sourced virgin fibres, Crown Native is suitable for food packaging. Fully FDA compliant and BfR36 approved.

## Reduce Your Environmental Footprint

Crown Native reduces your environmental impact across the board. From CO2 emissions, and particulate matter formation to terrestrial acidification. Crown Native also cuts down the agricultural acreage and amount of fresh water required for paper production.

### A Green Reminder

Our subtle, yet eye-catching seal re-emphasizes the quality and the sustainable character of your packaging and your product.



# Crown Native

Uncoated paper made with sugar beet pulp. By using locally available agricultural side streams, Crown Native's environmental footprint is 16% smaller than our traditional paper. The visible sugar beet fibres give your packaging an unique appearance.

Special features	Paper with 20% Sugarbeet fiber.
CIE Whiteness	75

Basis weight (g/m <sup>2</sup> )	Caliper (µm)	Bendtsen roughness (mL/min)	Tensile MD/CD (kg/15 mm)	Tear (MD/CD) (mN)	TEA (MD/CD) (J/m <sup>2</sup> )	Burst (kPa)	
70	90	190	10.5 / 3.5	850 / 1050	102 / 150	250	●
80	101	180	11.0 / 3.6	930 / 1150	110 / 150	260	●
90	113	230	11.8 / 4.0	1050 / 1350	116 / 160	280	●

CIE Whiteness	ISO 11475
Basisweight	ISO 536
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## Need advice?

Please don't hesitate to contact our product managers regarding any questions.

### Yuck Chan

yuck.chan@cvg.nl  
+31 6 5382 6788

Customer service

**+31 251 262233**

## Sustainability and digital developments are changing paper dynamics

The move towards a sustainable and digital society greatly impacts the role of paper in different market segments. To successfully market products, paper processors continuously need to overcome specific technical challenges.

## Technical know-how to unlock paper potential

Accurately specified papers are only the starting point of a successful new product. Ensuring that the paper reaches its full potential on processing equipment truly adds value. Delivering the technical expertise needed to make this happen, is what sets Crown Van Gelder apart.

## Thriving on making our paper deliver

To ensure you extract optimal value from our papers, Crown Van Gelder offers expert support on-site. Together, we work on making our paper deliver the best possible results on your equipment. In addition, we often tailor our paper to specific customer requirements.

Our segment experts understand the specifics of different production systems and end-products. In constant dialogue with customers and other stakeholders such as equipment manufacturers, we continue building our knowledge. This results in innovations that set new market standards.

For inkjet printing, we offer color management services, contributing to machine uptime and optimal ink consumption.

