

TECHNICAL DATA SHEET

Gaia™ Plastic-Free Hot Paper Cups Roll Stock

Description

Plastic free paper cups roll stock based on FBC* with heat sealable and water barrier functions. The material allows the production of repulpable and recyclable cups. It is made of environment friendly, OBA free paper board especially designed for beverage cups and food service containers.



Typical End Uses

The rolls can be used to form disposable cups (for hot drinks) and other food service ware items. Flexographic and Rotogravure are suitable printing technologies. The rolls can easily be processed on conventional converting equipment while offering energy savings due to lower sealing temperatures.

* FBC stands for Functional Barrier Coating.

TYPICAL PROPERTIES

Properties	Unit	Value				Method
Total Weight	GSM	209 ± 5%	279 ± 5%	299 ± 5%	339 ± 5%	ISO 536
FBC Weight	GSM	9 ± 5%	9 ± 5%	9 ± 5%	9 ± 5%	
Thickness	µm	300	380	380	440	ISO 534
Dry Tensile Strength	MD	KN/m	16.4	21.4	22.4	ISO1924-3
	CD	KN/m	10.3	11.4	11.4	
Stretch at Break	MD	%	2.73	2.71	2.67	ISO1924-3
	CD	%	6.16	5.9	5.82	
Moisture	%	7 ± 1%				ISO 287
Seal Strength	N/2cm	Fiber Tear (coated side), > 3				ASTM-F88 220°C, 1 sec, 3 bar
Bendtsen Roughness	ml/min	250 ± 5% (uncoated side)				ISO 8791-2

CONFORMITY WITH EU DIRECTIVES

The coated material complies with EC and FDA regulations; Food Compliance Certificate is available upon request.

STORAGE

The material should be stored at temperatures between 10 to 35 °C with relative humidity between 40 and 70%, in a clean and dust free environment.

The material should be conditioned 24 hours in the production area prior to use on the machine. Use within one year from production date.



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Flexible Packaging

Important: The information given is based on our knowledge and experience at the time of production and is given in good faith. It does not represent a guarantee or legal warranty for specific properties or for suitability for a specific use. The responsibility for testing the suitability of the product for the foreseen use lies with the purchaser. However, should there be cause for claim; liability is, in all cases, limited to the value of the goods supplied.

Address: Napco National, 1st Industrial Area, 3rd street, P.O .BOX 538, Dammam, Saudi Arabia
Tel: 00966138459400, Fax: 00966138471435, E-mail: info@napcopaper.com, website: www.napconational.com