

Technical specification sheet

Ball & Doggett

ballanddoggett.com.au

Product: Greaseproof Reels

Category: Packaging - Food Service

Mill: Muda

Country of Origin: Malaysia

Technical specifications:

28 gsm Bleached Greaseproof Paper				
Item		Unit	Standard	Test Result Test Method
Ration		g/m ²	28 ± 1.8	28.2 GB/T451. 2-2002
Brightness		%	≥ 70	75.3 GB/T7974-2002
Degree of Sizing		mm	0.25	0.25 GB/T460-2002
Fracture Length	Sheet	km	≥ 3.5	4.7 GB/T453-2003
	Roll		≥ 4	4.9 GB/T453-2003
Tearability		gf	> 12	16 GB/T455-2002
Degree of Penetrated Oil		g/m ²	<12	7.5 GB/T5406-2002
Dirt 1/m ²	0.2-0.5		<60	56 data-kind="parent" data-rs="3">GB/T1541-1989
	0.5-1.0		<5	9
	>1.5		0	little
Moisture		%	6 ± 2	5 GB/T460-2003
These characteristics are average values supplied for guidance purposes				

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30gsm



MUDA SPECIALTY PAPER

MPM-403-05

REV. AA

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ATTACHMENT 5

REV DATE : 11 Nov 2016

Product : Machine Glazed (MG) Paper

Series : Versa

Grade : VersaRetra (FEXL)

Features :

- Machine-glazed Bleached Kraft Paper made with 100 % virgin pulp
- OBA free
- Special made for customer whom looking for extra mechanical strength and specific low porosity
- Applicable as food wrapper
- Suitable for Flexo & rotogravure printing
- FDA and BfR approved
- RoHS and Bio-burden test passed

Specification :

Property	Test Method Reference	Units	Typical Value		Tolerance
Substance	ISO 536	g/m ²	30	35	± 5 %
Thickness	ISO 534	um	48	56	Indicative
Tensile Strength (MD)	ISO 1924-3	kN/m	2.1	2.8	-
(CD)			1.3	1.8	-
Roughness, (Top)	ISO 8791-2	ml/min	< = 120		-
(Bot)			< = 500		-
Bursting	ISO 2758	Kpa	160	180	-
Porosity *	ISO 5636-5	sec	50	60	
Opacity	ISO 2471	%	> 57	> 64	-
ISO Brightness	ISO 2470	%	> 90		-
Cobb test (60 sec)	TAPPI T-440	g/m ²	<= 60		Indicative
Moisture	TAPPI T-412	%	5%		± 1.5 %

* Typical value tested at 23 C / 50 % RH and for GENERAL guidance only

* For continual improvement, we reserve the right to change the specification without notice

* Reel size tolerance at ± 1.5 mm



Only products identified as such are FSC certified

MUDA PAPER MILLS SDN. BHD. (5409-H)

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Updated: 04.18



30gsm**Forschungs- und Untersuchungs-
Gesellschaft mbH Aschaffenburg****Dr. Ralph Derra**
Öffentlich bestellter und vereidigter Sachverständiger für
Verpackungsmaterialien, Boden- und Luftanalysen;
Sachverständiger in der Wasseranalytik

11 July 2016

Dr. Dr/Bk-kr

**UNBEDENKLICHKEITSERKLÄRUNG
CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE**eingetragen
registered no.
registré

42737 U 16

für Firma
for Messrs
pour MMMuda Paper Mills Sdn. Bhd.
391, Jalan Tasek
14120 Simpang Ampat, Penang
MalaysiaProdukt
Product
Produit

Bleached Machine Glazed (MG) paper

The product manufactured by the company mentioned above is a paper grade which is used for food packaging.

It was examined by us according to the

"Methoden zur Untersuchung von Papieren, Kartons und Pappen für Lebensmittelverpackungen", Stand 2008, entsprechend der Vorschrift Nr. 80.56 in der Amtlichen Sammlung von Untersuchungsverfahren nach § 64 des Lebensmittel- und Futtermittelgesetzbuchs - LFGB,

("Methods for testing papers and boards for food packaging", state of 2008, corresponding to the method no. 80.56 within the Official Collection of Test Methods according to § 64 of the Foodstuffs and Animal Feed Code - LFGB),

and according to the demands of the

Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch. I (1 April 2015 edition), § 176.170,

- 2 -

30gsm



Test Report

No.: T31620191386SC

Date: MAR 23, 2016

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Test Results :

US FDA 21 CFR 176.170 (Paper and Paperboard) – Determination of Amount of Net Chloroform Soluble Extractives

Method : With reference to US FDA 21 CFR 176.170.

Extractants	Test Condition	Result (mg/inch ²)	Reporting Limit (mg/inch ²)	Permissible Limit (mg/inch ²)
		1		
Distilled Water	120°F for 24 hours	ND	0.2	0.5
8% Alcohol	120°F for 24 hours	ND	0.2	0.5
50% Alcohol	120°F for 24 hours	ND	0.2	0.5
n-Heptane	70°F for 30 minutes	ND	0.2	0.5
Comment	--	PASS	--	--

Sample Description :

1. White Paper

Note : 1. mg/inch² = milligram per square inch

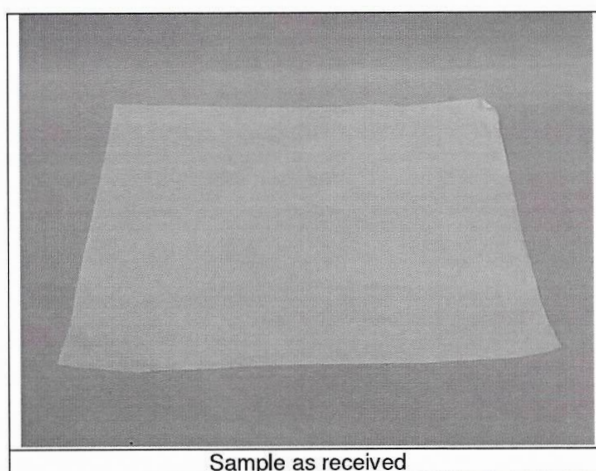
2. °F = degrees Fahrenheit

3. ND = Not Detected

Remark :

1. Test condition & simulant were specified by client.

Photo Appendix



Sample as received

*** End of Report ***

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

FOOD CERTIFICATE OF PAPER

NO: FH0009

DATE: March 16, 2017

WE CERTIFY HERewith THE SHIPPED GOODS:

26G – 60G Bleached / Unbleached Greaseproof Paper in Kit 3 and 30G – 40G Premium Wet Strength Bleached and Unbleached Greaseproof Paper in Kit 7 have passed our quality control inspection and comply with the following stipulations:

STATE (CHINA) STANDARD CODE NO: QB/1014-2010 AND SGS TEST REPORT NO: TAOHG1700873201

Our products meet the current requirements for dry, wet, fatty food contact etc.

章丘丰华纸业有限公司
AUTHORIZED SIGNIATURE OF MANUFACTURER
Zhangqiu Fenghua Paper Co., Ltd.
ZHANGQIU FENGHUA PAPER CO., LTD



REMARKS: DETAILS AS PER TESTING REPORT (SGS DATE 15 Mar 2017) ATTACHED