

TECHNICAL STANDARD VALUES

Grammage	Caliper	Bulk	Bending stiffness by static methods							
			5° angle (L&W)		15° angle (Taber)					
			mNm		mNm (*)		Taber unit or gcm (*)		mN (*)	
g/m ²	µm	cm ³ /g	MD	CD	MD	CD	MD	CD	MD	CD
(260)	355	1.37	16.6	6.4	8.8	3.5	90	36	177	71
280	380	1.37	21.7	8.5	11.8	4.7	120	48	235	94
300	410	1.37	26.0	10.4	14.1	5.7	144	58	283	114
320	440	1.37	31.1	12.6	16.7	6.9	170	70	334	137
340	465	1.37	36.5	15.0	19.5	8.2	199	84	390	165
350	480	1.37	39.4	16.3	21.0	8.8	214	90	420	177
360	495	1.37	42.1	17.7	22.3	9.7	228	99	447	194
380	520	1.37	47.4	20.3	24.6	11.0	251	112	493	219
400	550	1.37	55.5	23.3	28.9	12.6	294	128	577	251
(425)	580	1.37	64.2	28.2	33.4	15.2	340	155	668	304
450	615	1.37	72.9	32.4	37.9	17.5	386	178	758	350

() No standard grammage

(*) The Taber values are calculated and mentioned for your guidance only.

METHODS OF CONTROL / TOLERANCES

Conditioning : for reference 23° C / 50 % HR

Properties	Testing methods			Tolerances
Grammage	g/m ²			260 à 450 g/m ²
Caliper	µm			+/- 2.5 %
Bending stiffness	mNm	DIN 53 121	5° (Lorentzen&Wettre)	- 15 %
	mNm	ISO 2493	15° (Taber)	- 15 %

OTHER CHARACTERISTICS

				260 à 450 g/m ²
Brightness (D 65/10)	Top	%	ISO 2470 Elrepho	84 (mini 83)
	Back	%		70 (mini 68)
Cobb 1 mn (Standard)	Top	g/m ²		60 maxi
	Back	g/m ²		200 maxi
Cobb 1 mn (WR)	Top	g/m ²		60 maxi
	Back	g/m ²		60 maxi
Cobb 3 mn (Hard sized)	Top	g/m ²		50 + 10
	Back	g/m ²		50 + 10

▲ HERMIWHITE can also be used for blister packs, subsequent to trials.

FSC mix credit accreditation : Material is available on request.

Please contact your local sales office for details.

Reference 11 - CCB / CBL Revision 2 - 02 / 2016





REACH

The board qualities produced in the Reno De Medici group are articles and not obliged to be registered.

The board qualities do not contain any of the 191 SVHC substances (candidate list), i.e. substances suspected being carcinogenic, mutagenic, toxic for reproduction, PBT (persistent and bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative) exceeding the concentration level of 0,1 % as defined in EU regulation 1907/2006 (REACH), status 27.06.2018.

Additional restrictions for dangerous substances as listed in Annex XIV and Annex XVII of regulation EC 1907/2006 are respected.

Actions according to article 59 to list substances in Annex XIV are under the obligation of ECHA.

The board qualities above do not contain any substances for intended release.

Changes that are foreseeable to occur with the chemicals used for production (substances and preparations) will not influence our production and not the quality properties of our board products.

By-products from the power station at R.D.M. Arnsberg GmbH have been registered.

Arnsberg, 28.06.2018

A blue ink signature of Dr. Jürgen Klix is written over the R.D.M. Arnsberg GmbH logo. The logo consists of 'R.D.M.' in a large, bold, blue font, with 'Arnsberg GmbH' in a smaller, blue font below it. The initials 'J.A.' are written in blue ink below the company name.

Dr. Jürgen Klix
Deputy Technology Manager
R.D.M. Arnsberg GmbH

Dr. Ralph DerraÖffentlich bestellter und vereidigter Sachverständiger für
Verpackungsmaterialien, Boden- und Luftanalysen;
Sachverständiger in der Wasseranalytik

12 July 2018

Dr. Dr/Hf-pf

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

47558 U 18

für
for
pourRDM Blendecques SAS
Rue de l'Hermitage - B.P. 53006 – Blendecques
62501 Saint Omer Cedex
FranceProdukt
Product
Produit

Hermiwhite

The product manufactured by the company mentioned above is a board 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),

for the used raw materials, fabrication additives and special paper finishing agents as well as for the release of substances which might endanger health.

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Moreover, the migration of various elements was examined according to the

DIN EN 71, part 3 "Safety of Toys, Migration of Certain Elements", state of December 2014.

Furthermore, the board grade was examined according to the

Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994, on packaging and packaging waste, Official Journal of the European Communities L 365/10 of 31 December 1994, last amendment by the Directive (EU) 2015/720 of the European Parliament and of the Council of 29 April 2015, Official Journal of the European Union L 115/11 of 6 May 2015,

and to the

Model Toxics Legislation as developed by the Source Reduction Council of CONEG of December 14, 1989, last modification of December 2008,

for its heavy metal contents.

The board grade is in compliance with the rules of the

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC, Official Journal of the European Union L 338/4 of 13.11.2004, modified by app. no. 5.17 of the regulation (EC) No 596/2009 of 18 June 2009, Official Journal of the European Union L 188 of 18 July 2009, article 3,

as well as of the

Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch (Lebensmittel- und Futtermittelgesetzbuch - LFGB) in der Fassung der Bekanntmachung vom 3. Juni 2013 (BGBl. I S. 1426), zuletzt geändert durch Artikel 1 des Gesetzes vom 30. Juni 2017 (BGBl. I S. 2147), §§ 30 und 31,

(Foodstuffs, Consumer Goods and Animal Feed Code (Foodstuffs and Animal Feed Code - LFGB) in the version of the notification of 3 June 2013 (BGBl. p. 1426), last amendment by article 1 of the act of 30 June 2017 (BGBl. I p. 2147), §§ 30 and 31),

and is approved according to the

BfR-Empfehlung XXXVI. Papiere, Kartons und Pappen für den Lebensmittelkontakt, neu-gefasst durch 62. Mitteilung, Bundesgesundheitsblatt 14 (1971) 83, zuletzt geändert durch 221. Mitteilung, Bundesgesundheitsblatt 61 (2018) 236, Stand vom 01.09.2017,

(BfR Recommendation XXXVI. Paper and board for food contact, recasted by 62nd Announcement, Bundesgesundheitsblatt 14 (1971) 83, last amended by 221st Announcement, Bundesgesundheitsblatt 61 (2018) 236, as of 1 September 2017).

Furthermore, it meets the demands of the

DIN EN 71, part 3 "Safety of Toys, Migration of Certain Elements", state of December 2014.

Moreover, the board grade is in compliance with the

Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994, on packaging and packaging waste, Official Journal of the European Communities L 365/10 of 31 December 1994, last amendment by the Directive (EU) 2015/720 of the European Parliament and of the Council of 29 April 2015, Official Journal of the European Union L 115/11 of 6 May 2015,

and the

Model Toxics Legislation as developed by the Source Reduction Council of CONEG of December 14, 1989, last modification of December 2008,

with regard to the heavy metal contents.

Thus, the board grade **Hermiwhite** according to the sample material submitted may be used safely for food packaging. It may stand in direct contact with dry, non-fatty and such kind of foodstuffs which are peeled, shelled or washed before consumption and may also be used for secondary packaging. Dry, non-fatty foodstuffs with large surfaces may be packed by using an appropriate intermediate packaging.

This certificate of compliance has a validity of 2 years and consists of 4 pages.

Certification decision



Staatlich anerkannter Sachverständiger
zur Untersuchung der Gegenproben von
Verpackungsmitteln aus Papier, Pappe,
Kunststoffen, Glas, Weichplastik und
sonstigen Metallverpackungen auf ihre
Lebensmittelrechtlich bedenklichen

(Höfert)

Officially certified
and authorized food
chemist

The translation of the above stamps is given on page 4.
La traduction des estampilles est donnée en page 4.



Staatlich anerkannter Sachverständiger zur Untersuchung der Gegenproben von Verpackungsmitteln aus Papier, Pappe, Kunststoffen, Glas, Weißblech und sonstigen Metallverpackungen auf ihre lebensmittelrechtliche Unbedenklichkeit

Dr. Ralph Derra

Authorized expert for the analyses of packaging materials, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse des matériaux d'emballage, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

State registered expert for the analysis of contrasting samples of packaging materials of paper, board, plastics, glass, tin plate and other metallic packaging materials as to their suitability for use with foodstuffs.

Expert public pour l'étude du contrôle des contre-échantillons d'emballages de papier, cartons, plastiques, verre, fer-blanc et d'autres emballages métalliques concernant leur conformité alimentaire.



Dr. Ralph Derra

Authorized expert for the analyses of soil and air, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse du sol et de l'air, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

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