



ALGRO Design Card

Technical Specifications

Certified according to ISO EN 9001 / EN ISO 14001

Grade / ALGRO Design Card

Product description Solid bleached board (SBB), white, silk, one side double coated, reverse side single coated. Suited for direct food contact in accordance with recommendation BgVV XXXVI, FDA and Austrian food legislation

Conversion Offset printing; lacquering - UV, water based and conventional, embossing, hot foil stamping

Application High quality graphic and packaging applications

Test climate 23° C, 50% relative humidity, DIN EN 20 187

All rights to improve quality due to technical modifications reserved

Form number ABA-PFS-AWT-001-01/C 09/02 **Revision** Revision B 02/08 ersetzt Revision A 06/07

Property	Unit	Standard	Target value					Tolerance
Grammage	g/m ²	DIN ISO 536	235.0	255.0	285.0	315.0	345.0	± 5.0%
Thickness	µm	DIN EN 20534	257.0	283.0	325.0	367.0	407.0	± 5.0%
Bending force (15°/50 mm) (MD)	mN	ISO 5628 2493	110.0	160.0	230.0	320.0	430.0	± 15.0%
Bending force (15°/50 mm) (CD)	mN	ISO 5628 2493	55.0	80.0	120.0	165.0	215.0	± 15.0%
Bending moment (15°) (MD)	mNm	Taber T489-om-92	5.3	7.7	11.1	15.5	20.8	± 15.0%
Bending moment (15°) (CD)	mNm	Taber T489-om-92	2.6	3.9	5.8	8.0	10.4	± 15.0%
Bending stiffness, (5°/50 mm) (MD)	mNm	DIN 53121	9.7	15.0	23.0	33.0	40.0	Reference value
Bending stiffness, (5°/50 mm) (CD)	mNm	DIN 53121	4.7	8.5	14.0	17.0	22.0	Reference value
Whiteness (R457) smooth, double coated side	%	ISO 2470	101.5					±1.5
Whiteness (OE) smooth, double coated side	%	ISO 11475	132.0					Reference value
L-value smooth, double coated side	%	ISO 5631	95.5					± 1.0
a-Value smooth, double coated side	***	ISO 5631	2.3					± 0.3
b-Value smooth, double coated side	***	ISO 5631	-9.0					± 1.0
Whiteness (R457) rough, single coated side	%	ISO 2470	100.0					± 1.5
b-Value rough, single coated side	***	ISO 5631	-8.3					± 1.0
Surface roughness smooth, double coated side	µm	ISO 8791/4	2.0					± 0.6
Moisture content abs	%	DIN EN 20 287	5.5					± 1.0