

Technical specification

Certified according to ISO 9001 / ISO 14001

Grade	ALGRO DESIGN AD	Customer
Product description	Solid bleached board (SBB) woodfree, white, silk, one side double coated, high UV-light fastness and high resistance to ageing. Suited for direct food contact in accordance with recommendation BfR XXXVI, FDA and Austrian food legislation, taint and odour neutral. Optionally available as PEFC and FSC.	
Conversion	Lacquering - UV, water based and conventional, foil and film lamination, hot foil stamping and cold foil transfer, embossing (high, relief, structure, micro), die cutting, creasing, grooving, perforating, flock coating, lasercodable.	
Application	High quality packaging and graphic applications.	
Printing	Offset, screen and flexographic printing	

Test climate 23° C, 50 % relative humidity, DIN EN 20 187
All rights to improve quality due to technical modifications reserved

Form number: AA-PQM-029-01/A 09/2015

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Property	Unit	Standard	Target value										Tolerance
			160.0	220.0	240.0	270.0	300.0	330.0	350.0	380.0	400.0		
Grammage	g/m ²	DIN ISO 536	160.0	220.0	240.0	270.0	300.0	330.0	350.0	380.0	400.0	± 5.0%	
Thickness	µm	DIN EN 20534	181.0	255.0	281.0	323.0	365.0	405.0	435.0	470.0	495.0	± 5.0%	
Bending force (15°/50 mm) MD	mN	ISO 5628 2493	35.0	110.0	160.0	220.0	300.0	400.0	460.0	520.0	600.0	± 15.0%	
Bending force (15°/50 mm) CD	mN	ISO 5628 2493	15.0	55.0	80.0	115.0	160.0	205.0	230.0	250.0	280.0	± 15.0%	
Bending moment (15°) MD	mNm	Taber T489-om-92	1.7	5.3	7.7	10.5	14.5	19.3	22.2	25.6	29.0	± 15.0%	
Bending moment (15°) CD	mNm	Taber T489-om-92	0.7	2.6	3.9	5.6	7.7	9.9	11.4	13.0	15.5	± 15.0%	
Bending stiffness (5°/50 mm) MD	mNm	DIN 53121	3.0	9.7	13.0	18.0	27.0	37.0	43.0	52.0	61.0	Reference value	
Bending stiffness (5°/50 mm) CD	mNm	DIN 53121	1.5	4.7	6.5	9.2	14.0	19.0	23.0	26.0	30.0	Reference value	
Whiteness (R457) coated side	%	ISO 2470	101.5									± 1.5	
Whiteness (CIE) coated side	%	ISO 11475	132.0									Reference value	
L-value coated side	%	ISO 5631	95.50									± 1.00	
a-Value coated side	-	ISO 5631	2.00									± 0.30	
b-Value coated side	-	ISO 5631	-9.00									± 1.00	
Whiteness (R457) uncoated side	%	ISO 2470	98.0									± 1.5	
b-value uncoated side	-	ISO 5631	-8.00									± 1.00	
Surface roughness coated side	µm	ISO 8791/4	1.8									± 0.6	
Moisture content abs.	%	DIN EN 20 287	5.5									± 1.0	