ALGRO Design **Duo**

Technical Specifications

Certified according to ISO EN 9001 / EN ISO 14001

Grade / ALGRO Design **Duo**

Product description	Solid bleached board (SBB), silk, both sides symmetrically double coated, for high quality applications requiring identical front- and reverse side print appearance
Conversion	Offset printing; lacquering - UV, water based and conventional, embossing, hot foil stamping
Application	High quality application

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 A 06/07 ersetzt Revision - 11/06

Property	Unit	Standard	Target value						Tolerance
Grammage	g/m²	DIN ISO 536	250.0	270.0	300.0	330.0	360.0	380.0	± 5.0%
Thickness	µm	DIN EN 20534	270.0	290.0	335.0	375.0	410.0	450.0	± 5.0%
Bending force (15°/50 mm) (MD)	mN	ISO 5628 2493	130.0	180.0	255.0	350.0	460.0	590.0	± 15.0%
Bending force (15°/50 mm) (CD)	mN	ISO 5628 2493	65.0	88.0	140.0	190.0	240.0	315.0	± 15.0%
Bending moment (15°) (MD)	mNm	Taber T489-om-92	6.3	8.7	12.3	16.9	22.2	28.5	± 15.0%
Bending moment (15°) (CD)	mNm	Taber T489-om-92	3.1	4.3	6.8	9.2	11.6	15.2	± 15.0%
Bending stiffness, (5°/50 mm) (MD)	mNm	DIN 53121	12.5	16.3	23.9	31.4	42.7	55.3	Reference value
Bending stiffness, (5°/50 mm) (CD)	mNm	DIN 53121	7.5	10.0	13.8	18.8	23.9	30.2	Reference value
Whiteness (R457) both sides	%	ISO 2470				101.5			±1.5
Whiteness (CIE) both sides	%	ISO 11475				132.0			Reference value
L-value both sides	%	ISO 5631				95.5			± 1.0
a-Value both sides	***	ISO 5631				2.3			± 0.3
b-Value both sides	***	ISO 2470				-9.0			± 1.0
Surface roughness both sides	µm	ISO 8791/4				2.0			± 0.6
Moisture content abs	%	DIN EN 20 287				5.5			± 1.0

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