

ROUGH Coldwhite Datasheet

EXTRAROUGH Envelopes available: C6; DL; C5; C4

Grammage	ISO 536	g/m2	90	100	120	150	240	300
Grain direction (source format)	102 x 72		LG/SG	LG	LG/SG	LG/SG	SG	SG
Thickness	ISO 534	µm	117	130	150	195	302	377
Bulk	ISO 534	cm3/g	1,3	1,3	1,25	1,3	1,25	1,25
Roughness Bendtsen	ISO 8791-2	ml/min	350	350	350	350	350	350
Smoothness Sheffield	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	109	109	109	109	109	109
Opacity	ISO 2471	%	93.5	94.5	96.5	97.5	100	100
Whiteness	ISO 11475	%	157	157	157	157	157	157
Indigo			suitable					
Additional print processes			Toner, Riso, Letterpress (300gsm), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	g/m2	3	3	4	4	7	8
Thickness	ISO 534	µm	3	3	3	5	2	8
Bulk	ISO 534	cm3/g						
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100
Smoothness Sheffield	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	1.5	1.5	1.5	1.5	1.5	1.5
Opacity	ISO 2471	%	1	1	1	1		
Whiteness	ISO 11475	%	3	3	3	3	3	3

GREEN RESPONSIBILITY

FSC Mix: SGSCH-COC-009212

Production: acid free
61% renewable energies
vegan

ROUGH White Datasheet

EXTRAROUGH Envelopes available: C6; B6; DL; C5; C4; 17x17
EXTRAROUGH Labels (50x70) available

Grammage	ISO 536	g/m2	90	100	120	160	240	300
Grain direction (source format)	102 x 72		LG/SG	LG/SG	LG/SG	LG/SG	SG	SG
Thickness	ISO 534	µm	125	138	168	208	328	423
Bulk	ISO 534	cm3/g	1.4	1.4	1.4	1,3	1.4	1.4
Roughness Bendtsen	ISO 8791-2	ml/min	300	300	300	300	300	300
Smoothness Sheffield	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	110	110	110	96,5	110	110
Opacity	ISO 2471	%	90	91.5	94.5	97	99	100
Whiteness	ISO 11475	%	148	148	148	137,4	148	148
Indigo			suitable		certified	suitable	certified	certified
Additional print processes			Toner, Riso, Letterpress (300g), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	g/m2	3	4	4	4	5	8
Thickness	ISO 534	µm	3	4	4	2	7	8
Bulk	ISO 534	cm3/g						
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50
Smoothness Sheffield	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	1.5	1.5	1.5	3	1.5	1.5
Opacity	ISO 2471	%	1	1	1	1	1	
Whiteness	ISO 11475	%	3	3	3	2	3	3

GREEN RESPONSIBILITY

FSC Mix: SGSCH-COC-009212

Production: acid free, 61% renewable energies

vegan

food-safe

CO2 (fossil): 454 kg / t

ROUGH Warmwhite Datasheet

EXTRAROUGH Envelopes available: C6; B6; DL; C5; C4; 17x17

Grammage	ISO 536	g/m ²	90	100	120	150	240	300
Grain direction (source format)	102 x 72		LG/SG	LG	LG/SG	LG/SG	SG	SG
Thickness	ISO 534	µm	117	128	153	202	290	388
Bulk	ISO 534	cm ³ /g	1,3	1.3	1.3	1.3	1.2	1.3
Roughness Bendtsen	ISO 8791-2	ml/min	200	200	200	200	200	180
Smoothness Sheffield	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	89.5	89.5	89.5	89.5	89.5	89.5
Opacity	ISO 2471	%	87	88.5	91	93	96.5	97.5
Whiteness	ISO 11475	%	77,8	77,8	77,8	77,8	77,8	77,8
Indigo			possible					
Additional print processes			Toner, Riso (bis 240g), Letterpress (300g), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	g/m ²	3.5	4	4.5	5	5	10
Thickness	ISO 534	µm	4	4	5	5	7	10
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50
Smoothness Sheffield	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	2	2	2	2	2	2
Opacity	ISO 2471	%	1	1	1	1	1	1
Whiteness	ISO 11475	%	2	2	2	2	2	2

GREEN RESPONSIBILITY

FSC Mix: SGSCH-COC-009212

Production: acid free, 61% renewable energies

vegan

food-safe

CO₂ (fossil): 565 kg / t