

EXTRAROUGH Coldwhite Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455	559
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	290	290	290	290	290	290	290
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	93	94	96	97	98	99	99,5
Whiteness	ISO 11475	%	160	160	160	160	160	160	160
Indigo			certified						
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	3	5	7	8	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free
100% regenerative energy (wind), CO2 neutral
vegan

EXTRAROUGH White Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455	559
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	290	290	290	290	290	290	290
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	94	95	96	97	98	99	99,5
Whiteness	ISO 11475	%	145	145	145	145	145	145	145
Indigo			certified						
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	3	5	7	8	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free, without optical brighteners
100% regenerative energy (wind), CO₂ neutral
vegan

EXTRAROUGH RECYCLING White Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350
								laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	260	260	260	290	290	290
Brightness	ISO 2471 (D65)	%						
Opacity	ISO 2471	%	96	97	97	98	99	99
Whiteness	ISO 11475	%	134	134	134	134	134	134
Indigo			certified					
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset					
Suitable for preprint			yes	yes	yes			

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8
Thickness	ISO 534	µm	3	3	3	5	7	8
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%						
Opacity	ISO 2471	%						
Whiteness	ISO 11475	%	3	3	3	3	3	3

Certificate

FSC Recycled: SGSCH-COC-009212

GREEN RESPONSIBILITY

100% Post Consumer Waste

Production: acid free, formaldehyde free, without optical brighteners

100% regenerative energy (wind), CO2 neutral

vegan

EXTRAROUGH Warmwhite Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455	559
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	290	290	290	290	290	290	290
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	94	95	96	97	98	99	99,5
Whiteness	ISO 11475	%	78	78	78	78	78	78	78
Indigo			certified						
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	3	5	7	8	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free, without optical brighteners
100% regenerative energy (wind), CO2 neutral
vegan