

Opale®



Common attributes	Test method	80g	90g	100g	120g	150g	250g	300g
Wood pulp & bleach type		ECF Woodfree Virgin Pulp - FSC certified						
Printing process suitability		Opale Reference Recycled has 50% post-consumer waste						
Mono laser guaranteed		Litho, Silk Screen, Dry Offset (10ray), Blind Embossing, Hot Foiling, Die Stamping - image and paper texture depending						
Colour laser guaranteed		Yes						
Mono ink jet guaranteed		Yes						
Colour ink jet guaranteed		Yes						
Recommended pH of fount solution		5.5 +/- 0.5						
Surface pH	TAPPI 529OM	5						
Non aging credentials	ISO 9706	No						
Environmental label	ISO 14001	Yes						
Quality management	ISO 9001:2000	Yes						
Moisture content (%)	ISO 287	6						
Relative humidity (%)	TAPPI T502	40 - 60						

Premier Wove

Caliper (µm)	ISO 536	-	-	110	126	-	254	300	
Bulk µ/(gm2)	ISO 534	-	-	1.05	1.06	-	1.00	1	
Smoothness (ml/min)	ISO 5627	-	-	100	100	-	60	60	
Whitest shade opacity (%)	ISO 2471	-	-	89.5	92	-	-	-	
ISO Whiteness (%)	ISO 2470	-	-	115	115	-	115	115	
Moisture content (%)	ISO 287	-	-	5	5	-	7	7	
Stiffness (mN)	M direction	ISO 2493	-	-	0.40	0.40	-	32	28
Stiffness (mN)	C direction		-	-	0.30	0.30	-	17	20

Reference Wove, Reference 50% Recycled

Caliper (µm)	ISO 536	91	99	108	-	-	254	300	
Bulk µ/(gm2)	ISO 534	1.15	1.10	1.08	-	-	1.00	1.00	
Smoothness (ml/min)	ISO 5627	100	80	100	-	-	60	60	
Whitest shade opacity (%)	ISO 2471	87	88	89	-	-	-	-	
ISO Whiteness Wove (%)	ISO 2470	115	-	115	-	-	115	115	
ISO Whiteness Recycled (%)		-	102.4	-	-	-	-	-	
Moisture content (%)	ISO 287	5.8	6.5	5.8	-	-	7	7	
Stiffness (mN)	M direction	ISO 2493	0.37	0.37	0.40	-	-	32	28
Stiffness (mN)	C direction		0.19	0.19	0.30	-	-	17	20

Reference Fabric

Caliper (µm)	ISO 536	-	-	145	-	-	310	-
Bulk µ/(gm2)	ISO 534	-	-	1.45	-	-	1.24	-
Whitest shade opacity (%)	ISO 2471	-	-	89	-	-	-	-
ISO Whiteness (%)	ISO 2470	-	-	115	-	-	115	-
Moisture content (%)	ISO 287	-	-	5.5	-	-	7	-

Please note: Due to the texturing process it is not possible to give accurate figures for roughness and stiffness for Reference Fabric.

Dialogue Wove

Caliper (µm)	ISO 536	-	103	-	137	162	-	-	
Bulk µ/(gm2)	ISO 534	-	1.14	-	1.14	1.08	-	-	
Smoothness (ml/min)	ISO 5627	-	75	-	75	75	-	-	
Whitest shade opacity (%)	ISO 2471	-	87	-	90	93	-	-	
ISO Whiteness (%)	ISO 2470	-	115	-	115	115	-	-	
Moisture content (%)	ISO 287	-	4.5	-	4.5	4.5	-	-	
Stiffness (mN)	M direction	ISO 2493	-	0.39	-	0.39	2	-	-
Stiffness (mN)	C direction		-	0.25	-	0.25	1	-	-

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They are target values only for use as a guide.

