

PT. INDAH KIAT PULP & PAPER Tbk.

Specification For IKPP Woodfree Paper Original Shade (WF IP042)

Date : March 1st , 2012

No	Description	UNIT	Test Reference	Basis Weight (gsm)											
				58	60	70	75	80	90	100	105	110	120	130	140
1	Basis Weight	gr/m2	T 410 OM - 98	58 ± 4 %	60 ± 4 %	70 ± 4 %	75 ± 4 %	80 ± 4 %	90 ± 4 %	100 ± 4 %	105 ± 4 %	110 ± 4 %	120 ± 4 %	130 ± 4 %	140 ± 4 %
2	Thickness	µm	T 411 OM - 97	74 ± 4	77 ± 4	90 ± 4	97 ± 4	101 ± 4	116 ± 4	125 ± 5	139 ± 5	145 ± 5	158 ± 5	172 ± 5	185 ± 5
3	Moisture Content	%	T 412 OM - 94	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5
4	CIE Whiteness	%	ISO 11475	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3	137.0 ± 3
5	Opacity	%	ISO 2471	≥ 86.0	≥ 86.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0	≥ 90.0
6	Smoothness Bekk	W	T 479 OM - 91	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	15.0 - 35.0
		F		20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0	20.0 - 35.0
7	Stiffness (Resonance)	MD	T 535 OM - 85	≥ 0.12	≥ 0.12	≥ 0.22	≥ 0.26	≥ 0.32	≥ 0.40	≥ 0.50	≥ 0.60	≥ 0.70	≥ 0.80	≥ 1.00	≥ 1.20
		CD		≥ 0.06	≥ 0.06	> 0.11	≥ 0.13	≥ 0.16	≥ 0.20	> 0.25	≥ 0.30	≥ 0.35	≥ 0.40	≥ 0.50	≥ 0.60

APPROVED BY :



QUALITY ASSURANCE DIVISION