

PT. INDAH KIAT PULP & PAPER Tbk.

Specification of WoodFree Paper

February 5, 2018

Physical Properties

No		Description	UNIT	Test Reference	60	70	74	75	80	89	90	95	100	104	105	110	120	130
1	Basis Weight		gr/m2	T 410 OM - 08	60+4 %	70+4 %	74 ± 4%	75+4 %	80+4 %	89 ± 4%	90 + 4 %	95+4 %	100 + 4 %	104 + 4%	105 + 4 G	110 + 4 %	120 + 4 %	130 + 4 %
2	Thickness		am	ISO 534 : 1998	78 ±4	91 ±4	98 ±4	98 ±4	104 ± 4	117 ±4	117±4	124 ±4	128 ±4	135+4	139 ± 4	145 ±4	158 ± 5	172 ±5
3	Moisture Content		G.	T 412 OM - 11	4 5 - 5.5													
4	Opacity		%	ISO 2471	≥ 86.0	≥ 90.0												
5	Smoothness Bekk	W	sec/10m1	T 479 OM - 09	15.0 - 35													
		F			15.0 - 35													
6	Stiffness Bending (15o)	MD	mNm	T 556 OM - 11	≥0.12	≥ 0.22	≥ 0.26	≥ 0.26	≥ 0.32	≥ 0.40	≥ 0.40	≥ 0.40	≥ 0.50	≥ 0.6	≥ 0.60	≥ 0.70	≥ 0.80	≥ 1.00
		CD			≥0.06	>0.11	≥ 0.13	≥ 0.13	≥ 0.16	≥ 0.20	≥0.20	≥ 0.20	>0.25	≥ 13.3	≥ 0.30	≥ 0.35	≥ 0.40	≥ 0.5

Optical Properties

No	Description	UNIT	Test Reference	Grade Color													
				Bluish White							Original White						
1	Brightness	%	ISO 2470	95.0 + 1							92.0 + 1						
2	CIE Whiteness	%	ISO 11476	160.0 + 3							137.0 + 3						

TESTING CONDITION (T 402 sp 08)

TEMPERATURE 23 ± 1 °C

RELATIVE HUMIDITY 50 ± 2 %

