



NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER	P&P-NEO★SW-01	RE : 0										
MOORIM P&P CO., LTD		Neo★Matt										
Item	Unit	78gsm	80gsm	85gsm	89gsm	90gsm	95gsm	100gsm	104gsm	105gsm	110gsm	113gsm
Basis weight	g/㎡	78 ± 4%	80 ± 4%	85 ± 4%	89 ± 4%	90 ± 4%	95 ± 4%	100 ± 4%	104 ± 4%	105 ± 4%	110 ± 4%	113 ± 4%
Thickness	μm	69 ± 5	71 ± 5	75 ± 5	80 ± 5	81 ± 5	85 ± 5	91 ± 5	95 ± 5	96 ± 5	101 ± 5	103 ± 5
Smoothness	sec	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑
Roughness	μm	1.7 ± 0.3	1.7 ± 0.3	1.7 ± 0.3	1.7 ± 0.3	1.7 ± 0.3	1.7 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3
Brightness	%	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2
Opacity	%	90 ± 2	90 ± 2	91 ± 2	92 ± 2	92 ± 2	93 ± 2	93 ± 2	94 ± 2	94 ± 2	95 ± 2	95 ± 2
Paper Gloss	%	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3
Stiffness	mN	0.72/0.40 ↑	0.72/0.40 ↑	0.75/0.42 ↑	1.0/0.55 ↑	1.0/0.55 ↑	1.2/0.65 ↑	1.30/0.75 ↑	1.65/0.87 ↑	1.65/0.87 ↑	1.72/0.95 ↑	2.20/1.20 ↑
Bulk	gsm/μm	0.88	0.89	0.88	0.90	0.90	0.89	0.91	0.91	0.91	0.92	0.91

QAP-02-01-3-02(3)

MOORIM P&P CO., LTD

QUALITY ASSURANCE DEPARTMENT





NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER	P&P-NEO★SW-02	RE : 0										
MOORIM P&P CO., LTD		Neo★Matt										
Item	Unit	115gsm	118gsm	120gsm	125gsm	128gsm	130gsm	135gsm	137gsm	140gsm	148gsm	150gsm
Basis weight	g/m²	115 ± 4%	118 ± 4%	120 ± 4%	125 ± 4%	128 ± 4%	130 ± 4%	135 ± 4%	137 ± 4%	140 ± 4%	148 ± 4%	150 ± 4%
Thickness	μm	105 ± 5	107 ± 5	108 ± 5	114 ± 5	116 ± 5	118 ± 5	125 ± 5	127 ± 5	130 ± 5	139± 5	140 ± 5
Smoothness	sec.	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑	500 ↑
Roughness	μm	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3
Brightness	%	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2	92 ± 2
Opacity	%	96 ± 2	96 ± 2	96 ± 2	97 ± 2	97 ± 2	97 ± 2	97 ± 2	97 ± 2	97 ± 2	98 ± 2	98 ± 2
Paper Gloss	%	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3
Stiffness	mN	2.20/1.20 ↑	2.30/1.25 ↑	2.30/1.25 ↑	3.40/1.70 ↑	3.40/1.70 ↑	3.40/1.70 ↑	-	-	-	-	-
Bulk	gsm/μm	0.91	0.91	0.90	0.91	0.91	0.91	0.93	0.93	0.93	0.94	0.93

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NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER	P&P-NEO★SW-03	RE : 0										
MOORIM P&P CO., LTD		Neo★Matt										
Item	Unit	157gsm	170gsm	180gsm								
Basis weight	g/m²	157 ± 4%	170 ± 4%	180 ± 4%								
Thickness	μm	150 ± 5	165 ± 5	176 ± 5								
Smoothness (Top/Wire)	sec	500 ↑	500 ↑	500 ↑								
Roughness	μm	2.0 ± 0.3	2.0 ± 0.3	2.0 ± 0.3								
Brightness	%	92 ± 2	92 ± 2	92 ± 2								
Opacity	%	98 ± 2	98 ± 2	98 ± 2								
Paper Gloss	%	30 ± 3	30 ± 3	30 ± 3								
Stiffness	mN	-	-	-								
Bulk	gsm/μm	0.96	0.97	0.98								

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MOORIM P&P CO., LTD

QUALITY ASSURANCE DEPARTMENT





NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER		MP-GLOSS/MATT-01	RE : 2							
MOORIM PAPER CO., LTD		Test Method	NEO★GLOSS				NEO★MATT			
Item	Unit		200gsm	250gsm	300gsm	350gsm	200gsm	250gsm	300gsm	350gsm
Basis weight (Substance)	g/m ²	TAPPI 410	200 ± 4%	250 ± 4%	300 ± 4%	350 ± 4%	200 ± 4%	250 ± 4%	300 ± 4%	350 ± 4%
Thickness	μm	TAPPI 411	178 ± 3	235 ± 5	290 ± 5	342 ± 5	200 ± 5	260 ± 10	320 ± 10	380 ± 10
Smoothness	sec	JIS P 8119	3000 ↑	2000 ↑	1700 ↑	1700 ↑	300 ↑	300 ↑	300 ↑	300 ↑
Paper Gloss	%	TAPPI 480	72 ± 3	72 ± 3	70 ± 3	70 ± 3	30 ± 3	30 ± 3	30 ± 3	30 ± 3
Roughness	μm	TAPPI 555	0.9 ± 0.3	1.2 ± 0.3	1.2 ± 0.3	1.2 ± 0.3	2.0 ± 0.3	2.5 ± 0.3	2.7 ± 0.3	2.7 ± 0.3
Whiteness	%	ISO_11475	120 ± 5	120 ± 5	120 ± 5	120 ± 5	116 ± 5	116 ± 5	116 ± 5	116 ± 5
Brightness	%	TAPPI 525	91 ± 2	91 ± 2	91 ± 2	91 ± 2	91 ± 2	91 ± 2	91 ± 2	91 ± 2
Opacity	%	TAPPI 519	98 ± 2	99 ± 2	99 ± 2	99 ± 2	98 ± 2	99 ± 2	99 ± 2	99 ± 2
Bulk	cm ³ /g		0.89	0.94	0.96	0.97	1.00	1.04	1.06	1.08

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