



NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER	P&P-NEO★GLOSS-01	RE : 0										
MOORIM P&P CO., LTD		Neo★Gloss										
Item	Unit	80gsm	85gsm	89gsm	90gsm	95gsm	100gsm	104gsm	105gsm	110gsm	113gsm	115gsm
Basis weight	g/m²	80 ± 4%	85 ± 4%	89 ± 4%	90 ± 4%	95 ± 4%	100 ± 4%	104 ± 4%	105 ± 4%	110 ± 4%	113 ± 4%	115 ± 4%
Thickness	μm	64 ± 3	66 ± 3	69 ± 3	70 ± 3	74 ± 3	80± 3	82 ± 3	83 ± 3	88 ± 3	90 ± 3	92 ± 3
Smoothness	sec	3,500 + UP - 500	3,500 + UP - 500	5,000 + UP - 500	5,000 + UP - 500	5,000 + UP - 500	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑
Roughness	μm	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3
Paper Gloss	%	73 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	70± 3	70± 3	70± 3	70± 3	70± 3	70± 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	91 ± 2	92 ± 2	92 ± 2	93 ± 2	93 ± 2	94 ± 2	94 ± 2	95 ± 2	95 ± 2	95 ± 2
Bulk	cm³/g	0.80	0.78	0.78	0.78	0.78	0.80	0.79	0.79	0.80	0.80	0.80

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

MOORIM P&P CO., LTD

QUALITY ASSURANCE DEPARTMENT





NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER		P&P-NEO★GLOSS-02		RE : 0								
MOORIM P&P CO., LTD		Neo★Gloss										
Item	Unit	118gsm	120gsm	125gsm	128gsm	130gsm	135gsm	137gsm	140gsm	145gsm	148gsm	150gsm
Basis weight	g/㎡	118 ± 4%	120 ± 4%	125 ± 4%	128 ± 4%	130 ± 4%	135 ± 4%	137 ± 4%	140 ± 4%	145 ± 4%	148 ± 4%	150 ± 4%
Thickness	μm	94 ± 3	96 ± 3	101 ± 3	102 ± 3	103 ± 3	113 ± 3	114 ± 3	115 ± 3	121 ± 3	123 ± 3	125 ± 3
Smoothness	sec	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑
Roughness	μm	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3
Paper Gloss	%	70± 3	70± 3	70± 3	70± 3	70± 3	70± 3	70± 3	70± 3	70± 3	70± 3	70± 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	%	95 ± 2	95 ± 2	96 ± 2	96 ± 2	96 ± 2	97 ± 2	97 ± 2	97 ± 2	97 ± 2	97 ± 2	97 ± 2
Bulk	cm³/g	0.80	0.80	0.81	0.80	0.79	0.84	0.83	0.82	0.83	0.83	0.83

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MOORIM P&P CO., LTD

QUALITY ASSURANCE DEPARTMENT





NEO STAR PAPER PRODUCT SPEC.

SPEC NUMBER	P&P-NEO★GLOSS-03	RE : 0											
MOORIM P&P CO., LTD		Neo★Gloss											
Item	Unit	157gsm	160gsm	170gsm	180gsm								
Basis weight	g/m²	157 ± 4%	160 ± 4%	170 ± 4%	180 ± 4%								
Thickness	μm	129 ± 3	131 ± 3	143 ± 3	152 ± 3								
Smoothness	sec	3,000 ↑	3,000 ↑	3,000 ↑	3,000 ↑								
Roughness	μm	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	0.8 ± 0.3								
Paper Gloss	%	70± 3	70± 3	70± 3	70± 3								
Brightness	%	92 ± 2	92 ± 2	92 ± 2	92 ± 2								
Opacity	%	97 ± 2	97 ± 2	98 ± 2	98 ± 2								
Bulk	cm³/g	0.82	0.82	0.84	0.84								

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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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