

Quality specification (Titan)

Gloss

Item	Unit	Test method	80g	90g	95g	100g	105g	113g	118g	128g	135g	140g	148g
Caliper	μm	Tappi 411	64	72	76	80	84	90	95	103	108	112	120
Brightness	%	Tappi 525	88	88	88	88	88	88	88	88	88	88	88
Whiteness	%	Tappi 560	115	115	115	115	115	115	115	115	115	115	115
Opacity	%	Tappi 519	88	90	91	92	92	93	94	94	95	95	96
Gloss	%	Tappi 480	74	74	74	74	74	74	74	74	74	74	74
Roughness	μm	Tappi 555	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Item	Unit	Test method	157g	170g	180g	200g	218g	230g	250g	270g	300g	350g
Caliper	μm	Tappi 411	127	140	149	180	196	211	231	251	284	331
Brightness	%	Tappi 525	88	88	88	88	88	88	88	88	88	88
Whiteness	%	Tappi 560	115	115	115	115	115	115	115	115	115	115
Opacity	%	Tappi 519	96	96	96	97	97	97	98	98	98	99
Gloss	%	Tappi 480	74	74	74	72	72	72	72	72	72	70
Roughness	μm	Tappi 555	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Item	Caliper	Brightness	Whiteness	Opacity	Gloss	Roughness
Tolerance	±5%	±3 points	±3 points	Equal or greater	±5 points	Equal or less

Quality specification (Titan)

Gloss

Item	Unit	Test method	80g	90g	95g	100g	105g	113g	118g	128g	135g	140g	148g
Caliper	μm	Tappi 411	64	72	76	80	84	90	95	103	108	112	120
Brightness	%	Tappi 525	88	88	88	88	88	88	88	88	88	88	88
Whiteness	%	Tappi 560	115	115	115	115	115	115	115	115	115	115	115
Opacity	%	Tappi 519	88	90	91	92	92	93	94	94	95	95	96
Gloss	%	Tappi 480	74	74	74	74	74	74	74	74	74	74	74
Roughness	μm	Tappi 555	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Item	Unit	Test method	157g	170g	180g	200g	218g	230g	250g	270g	300g	350g
Caliper	μm	Tappi 411	127	140	149	180	196	211	231	251	284	331
Brightness	%	Tappi 525	88	88	88	88	88	88	88	88	88	88
Whiteness	%	Tappi 560	115	115	115	115	115	115	115	115	115	115
Opacity	%	Tappi 519	96	96	96	97	97	97	98	98	98	99
Gloss	%	Tappi 480	74	74	74	72	72	72	72	72	72	70
Roughness	μm	Tappi 555	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Item	Caliper	Brightness	Whiteness	Opacity	Gloss	Roughness
Tolerance	±5%	±3 points	±3 points	Equal or greater	±5 points	Equal or less