

## Product Specification

S.No.	Properties	UOM	Product Quality : Century O pure Maxi roll						
			1 Ply (Maxi Roll )	2 Ply (Maxi Roll )	1 Ply (Maxi Roll )	2 Ply (Maxi Roll )	1 Ply (Maxi Roll )	2 Ply (Maxi Roll )	
1	No of Ply								
2	Substance (1 Ply)	g/m <sup>2</sup>	17 ± 0.5	17 ± 0.5	18 ± 0.5	18 ± 0.5	19 ± 0.6	19 ± 0.6	
3	Thickness (1 PLY)	Micron	104 ± 5	104 ± 5	110 ± 5	110 ± 5	113 ± 5	113 ± 5	
4	*Bulk	CC/gm	6.1 ± 0.2	6.1 ± 0.2	6.1 ± 0.2	6.1 ± 0.2	5.9 ± 0.2	5.9 ± 0.2	
5	*Dry Tensile Strength	MD	gf/25mm	432 ± 50	855 ± 50	459 ± 50	936 ± 50	540 ± 50	1080 ± 50
		CD	gf/25mm	270 ± 25	535 ± 25	288 ± 25	585 ± 25	337 ± 25	675 ± 25
6	MDT/CDT RATIO		1.6 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	
7	Stretch	MD	%	21 ± 1	21 ± 1	21 ± 1	21 ± 1	21 ± 1	
8	Wet Tensile Strength	MD	gf/50mm	108 ± 12	216 ± 25	112 ± 12	225 ± 25	135 ± 25	270 ± 25
9	Wet / Dry Tensile		%	24 ± 2	24 ± 2	24 ± 2	24 ± 2	25 ± 2	25 ± 2
10	*ISO Brightness(Frank, PTI )	% ISO	87 ± 2	87 ± 2	87 ± 2	87 ± 2	87 ± 2	87 ± 2	
11	Shade	-	Natural						
12	Furnish	-	Virgin pulp						
13	Core (ID)	mm	76						
14	Number of joints	-	70% ZERO JOINT, 20% ONE JOINT 10% TWO JOINTS						
15	Reel Diameter	mm	± 10 % of Actual ordered reel dia.						

\*Note : If goes beyond higher side tolerance, Quality is OK.

Test Conditions : Temperature 23 ± 1°C & Relative Humidity 50± 2 % ( Tappi 402)

All properties are as per CPP Lalkua measurements

Tolerance are based upon 95 % confidence limits of single mill measurement on conditioned Random samples.

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Date : 24.02.2025

Note : This specification supersedes all previous specification

## Product Specification

S.No.	Properties		UOM	Product Quality : Century O' Pure Napkin										
				2 Ply	1 PIY	2 Ply	1 Ply	2 Ply	1 PLY	2 Ply	1 PIY	2 Ply	1 PIY	2 Ply
1	No of Ply													
2	Substance (1 Ply)		g/m <sup>2</sup>	14 ± 0.5	15 ± 0.5	15 ± 0.5	16 ± 0.5	16 ± 0.5	16.5 ± 0.5	16.5 ± 0.5	17 ± 0.6	17 ± 0.6	18 ± 0.6	18 ± 0.6
3	Thickness (1 PLY)		Micron	83 ± 10	89 ± 10	89 ± 10	94 ± 10	94 ± 10	97 ± 10	97 ± 10	100 ± 10	100 ± 10	106 ± 10	106 ± 10
4	*Bulk		CC/gm	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5	5.9 ± 0.5
5	*Dry Tensile Strength	MD	gf/25mm	486 ± 100	315 ± 100	595 ± 100	332 ± 100	655 ± 100	349 ± 100	680 ± 100	391 ± 100	740 ± 100	442 ± 100	825 ± 100
		CD	gf/25mm	270 ± 50	213 ± 50	400 ± 50	221 ± 50	438 ± 50	234 ± 50	453 ± 50	264 ± 50	493 ± 50	298 ± 50	552 ± 50
6	MDT/CDT RATIO			1.8 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2
7	Stretch	MD	%	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2	15 ± 2
8	*Wet Tensile Strength	MD	gf/50mm	78 ± 30	51 ± 30	95 ± 30	56 ± 30	112 ± 30	59 ± 30	116 ± 30	70 ± 30	133 ± 30	79 ± 30	149 ± 30
9	Wet / Dry Tensile		%	16 ± 2	16 ± 2	16 ± 2	17 ± 2	17 ± 2	17 ± 2	17 ± 2	18 ± 2	18 ± 2	18 ± 2	18 ± 2
10	*ISO Brightness (L&W Elrepho)		% ISO	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2
11	Shade		-	Natural										
12	Furnish		-	Virgin pulp										
13	Core (ID)		mm	76										
14	Number of joints		-	70% ZERO JOINT, 20% ONE JOINT 10% TWO JOINTS										
15	Reel Diameter		mm	± 10 % of Actual ordered reel dia.										

\*Note : If goes beyond higher side tolerance, Quality is OK.

Test Conditions : Temperature 23 ± 1°C & Relative Humidity 50± 2 % ( Tappi 402)

All properties are as per CPP Lalkua measurements

Tolerance are based upon 95 % confidence limits of single mill measurement on conditioned Random samples.

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Date : 28.12.2024

Note : This specification supersedes all previous specification

## Product Specification

S.No.	Properties		UOM	Product Quality : Century O' pure Towel									
				1 Ply	1 Ply	1 Ply	1 Ply	1 Ply	1 Ply	1 Ply	1 Ply	1 Ply	1 PLY
1	No of Ply												
2	Substance (1 Ply)		g/m <sup>2</sup>	28 ± 0.8	30 ± 0.8	32 ± 0.8	34 ± 0.9	35 ± 0.9	36 ± 0.9	37 ± 0.9	38 ± 0.9	40 ± 1	42 ± 1
3	Thickness (1 PLY)		Micron	123 ± 10	132 ± 10	134 ± 10	143 ± 10	147 ± 10	151 ± 10	144 ± 10	148 ± 10	148 ± 10	143 ± 10
4	*Bulk		CC/gm	4.4 ± 0.5	4.4 ± 0.5	4.2 ± 0.5	4.2 ± 0.5	4.2 ± 0.5	4.2 ± 0.5	3.9 ± 0.5	3.9 ± 0.5	3.7 ± 0.5	3.4 ± 0.5
5	*Dry Tensile Strength	MD	gf/25mm	900 ± 100	950 ± 100	1035 ± 100	1090 ± 100	1190 ± 100	1280 ± 100	1400 ± 100	1445 ± 100	1650 ± 100	1790 ± 100
		CD	gf/25mm	750 ± 50	790 ± 50	865 ± 50	900 ± 50	990 ± 50	1060 ± 50	1170 ± 50	1200 ± 50	1370 ± 50	1490 ± 50
6	MDT/CDT RATIO			1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2	1.2 ± 0.2
7	Stretch	MD	%	15 ± 2	15 ± 2	13 ± 2	13 ± 2	13 ± 2	13 ± 2	13 ± 2	13 ± 2	13 ± 2	13 ± 2
8	*Wet Tensile Strength	MD	gf/50mm	270 ± 25	285 ± 25	331 ± 25	350 ± 25	380 ± 25	410 ± 25	450 ± 25	460 ± 25	530 ± 25	575 ± 25
9	Wet / Dry Tensile		%	30 ± 2	30 ± 2	32 ± 2	32 ± 2	32 ± 2	32 ± 2	32 ± 2	32 ± 2	32 ± 2	32 ± 2
10	*ISO Brightness(L&W Elrepho)		% ISO	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2
11	Shade		-	Natural									
12	Furnish		-	Virgin pulp									
13	Core (ID)		mm	76									
14	Number of joints		-	70% ZERO JOINT, 20% ONE JOINT 10% TWO JOINTS									
15	Reel Diameter		mm	± 10 % of Actual ordered reel dia.									

\*Note : If goes beyond higher side tolerance, Quality is OK.  
 Test Conditions : Temperature 23 ± 1°C & Relative Humidity 50± 2 % ( Tappi 402)  
 All properties are as per CPP Lalkua measurements  
 Tolerance are based upon 95 % confidence limits of single mill measurement on conditioned Random samples.  
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 Date : 28.12.2024  
 Note : This specification supersedes all previous specification

### Product Specification

S.No.	Properties	UOM	Product Quality : Century O' Pure Toilet									
1	No of Ply		<b>2 Ply</b>	<b>2 Ply</b>	<b>3 Ply</b>	<b>2 Ply</b>	<b>2 Ply</b>	<b>3 Ply</b>	<b>2 Ply</b>	<b>3 Ply</b>	<b>2 Ply</b>	
2	Substance (1 Ply)	g/m <sup>2</sup>	14 ± 0.5	15 ± 0.5	15 ± 0.5	16 ± 0.6	17 ± 0.6	17 ± 0.6	18 ± 0.6	18 ± 0.6	19 ± 0.6	
3	Thickness (1 PLY)	Micron	90 ± 10	96 ± 10	96 ± 10	102 ± 10	109 ± 10	109 ± 10	115 ± 10	115 ± 10	122 ± 10	
4	*Bulk	CC/gm	6.4 ± 0.5	6.4 ± 0.5	6.4 ± 0.5	6.4 ± 0.5	6.4 ± 0.5	6.4 ± 0.5	6.4 ± 0.5	6.4 ± 0.5	6.5 ± 0.5	
5	*Dry Tensile Strength	MD	gf/25mm	450 ± 50	468 ± 50	701 ± 50	531 ± 50	595 ± 50	850 ± 50	638 ± 50	871 ± 50	646 ± 50
		CD	gf/25mm	207 ± 25	221 ± 25	332 ± 25	253 ± 25	272 ± 25	383 ± 25	298 ± 25	404 ± 25	315 ± 25
6	MDT/CDT RATIO		2.2 ± 0.2	2.1 ± 0.2	2.1 ± 0.2	2.2 ± 0.2	2.2 ± 0.2	2.2 ± 0.2	2.2 ± 0.2	2.2 ± 0.2	2.1 ± 0.2	
7	Stretch	MD	%	17 ± 2	17 ± 2	17 ± 2	16 ± 2	16 ± 2	16 ± 2	16 ± 2	16 ± 2	
8	*Wet Tensile Strength	MD	gf/50mm	-	-	-	-	-	-	-	-	
9	Wet / Dry Tensile		%	-	-	-	-	-	-	-	-	
10	*ISO Brightness(Frank, PTI )	%	ISO	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	86 ± 2	
11	Shade	-	Natural									
12	Furnish	-	Viirgin pulp									
13	Core (ID)	mm	76									
14	Number of joints	-	70% ZERO JOINT, 20% ONE JOINT 10% TWO JOINTS									
15	Reel Diameter	mm	± 10 % of Actual ordered reel dia									
*Note : If goes beyond higher side tolerance, Quality is OK.												
Test Conditions : Temperature 23 ± 1°C & Relative Humidity 50± 2 % ( Tappi 402)												
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