



Quality Assurance and R&D Division



PRODUCT SPECIFICATION

S.No.	Properties	UOM	PRODUCT QUALITY : NAPKIN											
1	No of Ply		2 PLY	1 PLY	2 PLY	1 PLY	2 PLY	1 PLY	2 PLY	1 PLY	2 PLY	1 PLY	2 PLY	
2	Substance (1 Ply)	g/m ²	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	80 ± 10	86 ± 10	86 ± 10	91 ± 10	91 ± 10	94 ± 10	94 ± 10	88 ± 10	88 ± 10	90 ± 10	90 ± 10	
4	Bulk	CC/gm	5.7 ± 0.5	5.7 ± 0.5	5.7 ± 0.5	5.7 ± 0.5	5.7 ± 0.5	5.7 ± 0.5	5.7 ± 0.5	5.2 ± 0.5	5.2 ± 0.5	5.0 ± 0.5	5.0 ± 0.5	
5	Dry Tensile Strength	MD	gf/25mm	540 ± 100	370 ± 100	700 ± 100	390 ± 100	770 ± 100	410 ± 100	800 ± 100	460 ± 100	870 ± 100	520 ± 100	970 ± 100
		CD	gf/25mm	300 ± 50	250 ± 50	470 ± 50	260 ± 50	515 ± 50	275 ± 50	533 ± 50	310 ± 50	580 ± 50	350 ± 50	650 ± 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	
8	Wet Tensile Strength	MD	gf/50mm	86 ± 30	60 ± 30	110 ± 30	66 ± 30	130 ± 30	70 ± 30	136 ± 30	75 ± 30	160 ± 30	95 ± 30	175 ± 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(Frank, PTI)	% ISO	87 ± 2	87 ± 2	87 ± 2	87 ± 2	87 ± 2	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.											

An ISO 9001 : 2008 , ISO 14001:2004 & OHSAS 18001:2007 Company



Quality Assurance and R&D Division



PRODUCT SPECIFICATION

S.No.	Properties	UOM	PRODUCT QUALITY NAPKIN											
1	No of Ply		1 PLY	1 PLY	1 PLY	2 PLY								
2	Substance (1 Ply)	g/m ²	19 ± 0.6	20 ± 0.6	21 ± 0.6	24 ± 0.6								
3	Thickness (1 PLY)	Micron	95 ± 10	98 ± 10	103 ± 10	113 ± 10								
4	Bulk	CC/gm	5.0 ± 0.5	4.9 ± 0.5	4.9 ± 0.5	4.7 ± 0.5								
5	Dry Tensile Strength	MD	gf/25mm	550 ± 100	580 ± 100	625 ± 100	1500 ± 100							
	Dry Tensile Strength	CD	gf/25mm	370 ± 50	375 ± 50	400 ± 50	1000 ± 50							
6	MDT/CDT RATIO		1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.2								
7	Stretch	MD	%	15 ± 2	15 ± 2	16 ± 2	16 ± 2							
8	Wet Tensile Strength	MD	gf/50mm	100 ± 30	115 ± 30	160 ± 30	350 ± 30							
9	Wet / Dry Tensile		%	18 ± 2	20 ± 2	23 ± 1	23 ± 1							
10	ISO Brightness(Frank, PTI)	% ISO	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.											

An ISO 9001 : 2008 , ISO 14001:2004 & OHSAS 18001:2007 Company