



## Quality Assurance and R&D Division



### PRODUCT SPECIFICATION

S.No.	Properties	UOM	PRODUCT QUALITY : FACIAL					
			2 PLY	2 PLY	3 PLY	2 PLY	3 Ply	
1	No of Ply							
2	Substance (1 Ply)	g/m <sup>2</sup>	12.5 ± 0.5	13.5 ± 0.5	13.5 ± 0.5	14.0 ± 0.5	14.0 ± 0.5	
3	Thickness (1 PLY)	micron	71 ± 10	77 ± 10	75 ± 10	80 ± 10	78 ± 10	
4	Bulk	cc/gm	5.7 ± 0.5	5.7 ± 0.5	5.5 ± 0.5	5.7 ± 0.5	5.5 ± 0.5	
5	Dry Tensile Strength	MD	gf/25mm	450 ± 50	475 ± 50	640 ± 50	500 ± 50	675 ± 50
		CD	gf/25mm	180 ± 25	195 ± 25	270 ± 25	210 ± 25	295 ± 25
6	MDT/CDT RATIO		2.5 ± 0.2	2.4 ± 0.2	2.4 ± 0.2	2.3 ± 0.2	2.3 ± 0.2	
7	Stretch	MD	%	16 ± 2	16 ± 2	16 ± 2	16 ± 2	16 ± 2
8	Wet Tensile Strength	MD	gf/50mm	75 ± 10	80 ± 10	80 ± 10	85 ± 10	90 ± 10
9	Wet / Dry Tensile		%	17 ± 2	17 ± 2	17 ± 2	17 ± 2	17 ± 2
10	ISO Brightness(Frank, PTI )	% ISO	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