



# Research & Development



## 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	74 ± 10	80 ± 10	75 ± 10	83 ± 10	83 ± 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	*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				

\*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.

An ISO 9001,ISO 14001 & ISO 45001 Company.

Recommended by		Approved by		Issued by Management Representative	Issue Date 01.09.2023	Revision No 03	Page 1 of 1	Doc No SPC-III-39 (M-5)
DGM (QA/R&D)		Head Process						
		CSO						
		CEO						