



## Research & Development



### Product Specification

S.No.	Properties		UOM	IS.14490 :2018	Product Quality : Century Star	
					Star 75	Star 80
1	Substance		g/m <sup>2</sup>	±2.5 %	75 ± 2.5 %	80 ± 2.5 %
2	Thickness		micron	100 ± 5	104 ± 3	106 ± 6
3	*Breaking Length	MD	meter	4100 min	4600 ± 400	4600 ± 400
		CD		2600 min	3000 ± 400	3000 ± 400
4	*Tensile Index	MD	Nm/g	40	44 ± 2	44 ± 2
		CD		25	28 ± 2	28 ± 2
5	*Tear Factor	MD	-	-	42 ± 5	42 ± 5
		CD		-	50 ± 5	50 ± 5
6	*Tear Index (min)	MD	mN.m <sup>2</sup> /g	3.5 min	4.0	4.0
		CD		4.5 min	5.0	5.0
7	Cobb <sub>60</sub>		g/m <sup>2</sup>	30 max	28 ± 2	28 ± 2
8	Smoothness (Bendtsen)	I side	ml/min	300 max	180±50	180±50
		II side		300 max	250±50	250±50
9	*ISO Brightness (L&W Elrepho)		%	85.0	92 ± 1	92 ± 1
10	*CIE Whiteness (L&W Elrepho)		%		155 ± 5	155 ± 5
11	*Print Opacity (L&W Elrepho)		%	88.0 min	95 ± 1	96 ± 1
12	*Wax Pick		no.	12 A Clear	14 A Clear	14 A Clear
13	Shade		-	-	Bluish	Bluish
14	Ash at 900 °C (max)		%	16	16	16
15	Stiffness	MD	° Taber	2.0	2.2 ± 0.2	2.4 ± 0.2
		CD		1.0	1.2 ± 0.2	1.4 ± 0.2

\*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.

Being an innovative organization, Century Pulp & Paper is continually working in response to customer requirements. The specification mentioned are therefore subject to change. Learn more about our upgraded specification sheet on our website : [www.centurypaperindia.com](http://www.centurypaperindia.com)

Date : 01.01.2024

Note : This specification supersedes all previous specification.